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 <213> *Aspergillus nidulans*

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<210> 23978

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 <213> Aspergillus nidulans

<400> 23978

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 <213> Aspergillus nidulans

<400> 23979

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 <211> 702  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<212> DNA  
<213> Aspergillus nidulans

<400> 23982

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ctgatgcact tccgattggt cttcgatgtg agcacatcca taacgatcta cttgtggcga 240  
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<210> 23983  
<211> 850  
<212> DNA  
<213> Aspergillus nidulans

<400> 23983

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aaggcttgca gatctagaga agaaaaaacc ggacagcgat tatctaattg aagacggccc 240



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<210> 23984  
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<213> *Aspergillus nidulans*

<400> 23984

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<210> 23985  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 23985

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<210> 23986  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 23986

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 23987

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<210> 23988  
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<212> DNA  
<213> Aspergillus nidulans

<400> 23988

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<212> DNA  
<213> Aspergillus nidulans

<400> 23989

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 23990

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 23991

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<210> 23992  
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 <213> Aspergillus nidulans

<400> 23992  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 23994  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 23994  
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 <213> Aspergillus nidulans

<400> 23995

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 <213> Aspergillus nidulans

<400> 23996

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 23999

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 <213> Aspergillus nidulans

<400> 24000

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<210> 24001  
 <211> 850  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24001

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<210> 24002  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 24003  
<211> 376  
<212> DNA  
<213> Aspergillus nidulans

<400> 24003

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<210> 24004  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24004

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<211> 380  
<212> DNA

<213> Aspergillus nidulans

<400> 24005

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<210> 24006

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 24006

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<210> 24007

<211> 637

<212> DNA

<213> *Aspergillus nidulans*

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<210> 24008

<211> 567

<212> DNA

<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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tggtcttgatt aacacatgca gtcacggaac gagacgaccc agaggcgcgg aaggcagcat 540  
tggcaaagct gcggctaate acggatagga tcatgctccg acgagtcaaa cgagaccaca 600  
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atttctaacc caagtcagtg tcatcataca taacgaattc tttggagaga tcgaacgcga 720  
cttttctacc agcatcatga ccaactctac taggcagttc gacacgtacg tgagccaaag 780  
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<210> 24013  
<211> 802  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 24013

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ctggtccaag ggcgcaggcg cctttcacct acacgatcag agtctcctga ggctcctctt 180  
gtgacctccg atgattctga ctctgcattt gatgcgcaag atggcgcgga tctggagacg 240  
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cgcgtgattc ctgctccgga aaccgaacaa actgcaacca agactggaag gaaacgcaag 420  
gcacccaagc cggtcggaga ccgtatcggt gacaaatgtc ttgatatgtg ggtaggctac 480  
gaagccgtgg attcgttagt cgctcgatgc gaggcgctag gaaagccggg tgcgaccgag 540

atgaagaaat ggggagttga catatttggc aagcgagagg gtgaactgga cctagtttcg 600  
atggagcctt caggatctca cgactctggt ataggaactc ccgctagtca accatctgat 660  
gaagatagtg atggtcctgg gtcaaggtct cgaaaagctc gggttcatttc gcagcctgga 720  
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<210> 24014  
<211> 683  
<212> DNA  
<213> Aspergillus nidulans

<400> 24014

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ctaaccaatg gagcccgtta tgggtcaacga gctggaaaca agggagcatg taaccgaatg 180  
ccattttgaa gtcagctaca aagctggata ccgatctccg gcaatgggac gtcaccctcc 240  
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aatatgcaga cataatggca ggcaagcagc aagaccata cggccgtact gcgtttggga 420  
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ttttgcactt cacgatgggc ggtgtcctct ttaacgaaca gggccaggtg cttgaccaga 540  
cctggactcc catccggggc ctctgggctg cgggcgaggt cacaggtggt ctgcatgggc 600  
agaaccggct ggggtggttcc tcgctgctag agtgtgcggt ttttggccgc attgttgggg 660  
atcaggtagc tgcgttttat aac 683

<210> 24015  
<211> 500  
<212> DNA  
<213> Aspergillus nidulans

<400> 24015

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caaacacacc ctaccagcag aaccacgacc gatatatctg ccgcacctgc gacaaggcgt 180  
tctcgcggcc ctcgagtctg cgcattccaca gccatagcca caccggcgag aagcatttcg 240  
gtgcacacat gccggatgcg gaaagccttt agtgtacgga gcaacatgaa gcgccatgag 300  
ccggcgtgcc ataccgggag ggctgtcgcg atgggtgaac aattgtgtta ctccactcct 360  
cgcatcataa caaaaaaaaa aggaaaaaaaa atctacacta atcgcttgcct taagcttgtt 420  
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gggatcaagg aattggaatt 500

<210> 24016  
<211> 500  
<212> DNA  
<213> Aspergillus nidulans

<400> 24016  
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tgtgtatacc agtcgcatct acctcatcat gatttcgtcc tatttttgcc gttgagccga 180  
ctctaatcgc aatattcagc aaatctgcca gcgagtacta cgacccttgt caggatttcg 240  
cggaccggag tcttagatgc atgaagcgca accccgatga tagagatatg tgtcacgatt 300  
acttccagta tgtatttccc tacgatgttc aaccctatc attacgtcga gctatctgct 360  
tttcttggc tatatggtcg taagccatgg aactgcaaag gtcaaggctc acactcggtc 420  
tagttcattt gatcctactg acaccgatat tcagagcata tcgcgattgt aaaaagcagt 480  
gggtgagtac caatgccgca 500

<210> 24017  
<211> 660  
<212> DNA  
<213> Aspergillus nidulans

<400> 24017  
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aatggtagct ctggcagatg gttcaatcat ttctcaatca gtaatgcacg gccgatactg 180

acgcgcgatc gataggaatt gtttcggcgc cgctatggga ctccaagtcg tccaccttcg 240  
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 ccgccttaga taaaatagac caactccgct tggatagcct tcgaggtgcg tgatgtgaaa 360  
 ccgtttcact gttatacggt cggaactgac aagtgatata gaggtggaac gggcattgga 420  
 tgtcgccccg ccagagacta tctccattga cccagagcga ccgttgtagc aggcgtgcccg 480  
 gcgtatgctc gagtcccagag ctccaaggat tccgcttggt accaacgata gccagacaga 540  
 tcgacatctc gtcctcagcg tcataacca gtatcgtatt ctaaaatacg tggccgtgaa 600  
 cgtttagcat acacaaaaat tgcggaagcc gctcggggag ataagactgg gtgccttgaa 660

<210> 24018  
 <211> 594  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 24018

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 gttattgagg ctggacgata ccaatggtgg gaggaacgcg gccttttcaa gcctgagttc 180  
 ggccccgatg gcaagggtcaa gcctgagggc tacttcgtta ttccaatccc ccctcccaac 240  
 gttaccggat cgctgcacat gggtcacgct ctcaaatg cccttcaaga cactatgatt 300  
 cgctggcagc ggatgaaggg caagactacc ctgtggctgc ccggaatgga tcacgccggt 360  
 atctccactc agagcgtggt tgagaaaatg ctttggaaga aggaaaagaa gacacgccat 420  
 gacctgngtc gcaaagcggt tctggaaaga gtctgggatt ggaaacacga gtaccatggc 480  
 aatatcngta atgctttgcg aagagtcnga ggctcttttg attggactcg cgaggctttt 540  
 acgatggatg acaaatcttt cgcagccgta ctgaaacttt gtccgtcttc atga 594

<210> 24019  
 <211> 787  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24019

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cggcgacttt gctcacctat cgcaaagctc ccaggaccat ggtatgccac gttcaccagc 120  
 tgggtactca aataccatga attcacctca aacagacggc tttttatcca cgatctgcac 180  
 aaaaaatatg gttctactgt tcgaatagca ccaaataaaa tttcgtttgc gagtttggag 240  
 gcgatcaaag agatttatgg gtccggtggg agcgggttacg acaagacgga gttgtatgat 300  
 ttgttccgtc aattcgggat caagtatgac ggagcggaga actgatttgg tgctcgagagt 360  
 tgctgacccg tctaggacga tgttttcgac tcttgacaag cacagtgtaa gttttgcctg 420  
 tcggacccgt cccagcttga tttgctaacc accaacatcc agcacagcca gcgcaaacgc 480  
 gaattggcgg atcgttacgc catgagcaat atcctgcgcg aggagcatgt ttccgccatc 540  
 gtggaccgtg cgagggcggg cgtatccaga tgtgctgctg ctgcagagag cgtggatgct 600  
 tatgtatgtt tcccaccgca gagctgacgc gtctttgttg attgcgcctg caggatatggc 660  
 tccattgcta cgcaactcgac ggggtcacga acttcatgtt cagtcctggg ggctgcact 720  
 cgctcgactc agagcatgac ttcaaaatta tggaggagct cacttatcat cagagtttgc 780  
 agagttc 787

<210> 24020  
 <211> 500  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24020  
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 gccaacggtt cgcaaatact ctatgcgcct ttgatcttcg tcacaaagct gtctattttc 180  
 cttctgtacc tgcgcgtggt tgcgtcagcc cggcgaggca tgacatatct atccattcac 240  
 ttgctgattt ggttcaatct ggccttctac ttggccaact ttttcttgaa gatatttcaa 300  
 tgtattccgc gtgctaaaat ctgggactcg aatacttcag gtcactgtat caatattaac 360  
 ataccgattc tcgtgacagc tgctatcaat gtggtgtctg atctcctgat gctatgttta 420  
 cccattattt gcgtttggcg actgcaaatg tcgattagga ggaagttagg tattttctgct 480  
 atatttgctg ctggtatctt 500

<210> 24021  
 <211> 670  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24021

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gatgtcacag cgcgatccct ctataaccat taactgtacg gcttagacga actctatatg 120
ggactatgct atgtccccct tgggtctcggc gcgaccgtag catcaatagc aacaggaaaag 180
cttctagact ccaacacccc ggctggcaaa acaactttac gttcctcttc aagaaactcg 240
cgcccggaat ctccacccac ttccccattg aattcgcccc ttacagggtc gcgctccccg 300
tgctgacgct aggcgcattc acaatcatcg cgttcggatg gtgtctcaat tacggcggac 360
atctcgccgc gccacaacc atcctctttc tcatgggtct cacgttgaca ggagcattca 420
acacggtctc aactctgctg gtagatttct atcccagcaa tgcattctgct gctactgcat 480
caaataacct tgtgcgttgt ttacttggtg ctggggctac agcgcttatt gatccaatgt 540
tagaggctat ggggcgggga tgggtgttta ctttcattgc acttgatgat ttgtgtacaa 600
tgccgttact ttgcgtggtg atgcggtggg gtccgcggtg gaggaatgag aggcaggcga 660
agatcgatca 670
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<210> 24022  
 <211> 500  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24022

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acgaagttcg gccgagctct ccgtaagccg gaaatcgga taccggatta tattcgagaa 120
aacggacaga ggaaaagatt cgttagaacg cttatttaaa ggcaaagagt aatcgattta 180
ctgtctagtc gctatacttc aaaagaaact ggcattcatgc cttcctacac gcttgaacag 240
gtcaaggccc actgcacacc ggatgatatc tggataatcc tgcacaacaa gggtagatat 300
tgctcccata gtcgaggatt tattctctaa ccatgtacag tctacgaggt gaccaagtat 360
ctcgaagacc accctggtgg aagcgccgtc cttattgaag ttgccggggc tgatgccacg 420
gaagcttttg aggagatcgg ccactctgat gaggcgcgag acagctcgag ccgtattata 480
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ttggtgattt gccagatcag

500

<210> 24023  
<211> 850  
<212> DNA  
<213> Aspergillus nidulans

<400> 24023

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tcagcttctc gacgagtcca ttccgagca ggacaaggag atccgcttca accccggttt 180  
actcagtgtg cttattgcct tgtacaaacg tgagggccga aagactcaga tcaaagccga 240  
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gcctcacatg cagccattga ttactcccaa gtcgaagcgc aagcaaaata tctcccatcc 480  
gttgacgacc tgatctcaga tattgacgtt gccgctctcg aaactgcagg tgttgccccg 540  
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cccactaagg accgtgtcgc gaagcgagtt cgaaagtccc gactccccaa agattatgat 660  
ccgagcaaga cagccgaccc ggaacgttgg ctgccgtac gtgaccggtc aacctaccga 720  
cctagaggga ggaaaggtaa gcagcgggct gcagagcgta cgcaaggagg ggtggtcagt 780  
gagaaatctg aagagactac gctctctggg cagcagcagc agcaaaagcc ccaaaccggg 840  
ggctctagtc 850

<210> 24024  
<211> 544  
<212> DNA  
<213> Aspergillus nidulans

<400> 24024

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tttattcctt ggatagatgt ttacttcgat cgtctccatc caactctccc agttctaaat 120  
cgatccttac tctttactca aatcattcag caagaacatc gccgcaaccc ccagtttggg 180



gctatgattc tgtctctttg tgccttctcc ttgacacaac cgatagatat cagtgaacga	240
ccgacctctt catcacggtc tgatcaggca aagatcctgg tccacgaagc aacaagaatg	300
cgcacatctt ctgattttgg cgagcaccca tcaatagaag ctgttttaac tagtttcttc	360
ttgttcgggt accttttcgg gagtaaccag cacaatgcag caagactccg gctgcgagag	420
gcaatcgatc tagcctcgac actgggcctg aataatccag ccacttacgc ggattgctca	480
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<210> 24025  
 <211> 805  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24025	
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tggctagcat gattcgcaag gaatccgaat ggctattccc cgaaagtttc acattcctgc	180
tagaacagca aggacaggat ggaggacgga tcttctggac caatccacca gaaccacgcc	240
ttaccggca ttcctatgga ttcccgaatg tattgtttac tccctcgctg ggctgcttgc	300
actttgtcga cataccagat tcgctgctaa cgccggcaga gaggagctgc cgacggatag	360
ctgggtccgaa ttcctctcgc aaaatcattt ttagaagaaa actggcgcac tcaacattgg	420
atgggatcac tcaattaggg tttgaactga tcgtccctgt ttctcttcgc ctgctacaac	480
atgaagggat gcgtttcgcc tttccagcga agaaggagct gcttcaaattg ttcgaaaagc	540
gctgagttag atatgacctg gctctacgac aatggggctt gcaagatacc attattttgt	600
cttgaggcca tccttggaag agtcgacttc agtcggctat catacttggt acatccacca	660
ctggagttac ggcatcacct gcatcaacag ctgcatacct cattcattca ggactatgga	720
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<210> 24026  
 <211> 500

<212> DNA  
 <213> Aspergillus nidulans

<400> 24026

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cgttccttag gcatttcggg tategctaca accctcggat tctccgggtt gccaccctca  180
cctacgttct ctatgcattc gacaatttgc gacggaaccg gcgaaagtct acctttctga  240
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cgtcgacggt tgtatcaagc agttctatct tttgaagcaa cggaatcata acctggaggt  360
cctgctctct atcgaaggct ggaaatactc cacgaactac gcacagtcag caagcagaat  420
agtggacgga aacaatttgc gcagacagct gtcaagctgc ccaagaccta gggctggacg  480
gcttggacaa cgactggaag                                         500
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<210> 24027  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24027

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tcgatgtcgg aatcctcgaa cgacatccct atacctcgca gacattctcc ccgcttggtc  180
taagctcgga tgacaaaagc gcgtactacc tagtcatcgt ggcgccaaca ctacttggcc  240
aaaccgccac ggcacggaca gaagctggag agagtgtatc tattcgtgat ccaccgaatc  300
tgagtaaact cagggcattt gtggcgagtg gggagcacgc cgttacgtat gggcctggga  360
cctggcatgc gccaatggta gttgtgggtg aatgtaaggt ggattttgtg gtcacgcagt  420
ttgtcaatgg agttgcggca gaggattgtc aggaggtttg ctttggggag gggattgttg  480
ttgatctgag tgagaggcag                                         500
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<210> 24028  
 <211> 522  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24028

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cctccccatc tcttgtcct cctacagtgc gtccactaaa accatccagc ctgcttcctg 180  
caatagccta cacttttagac atgtcccgcc gcacaggaaa cttctatggg ataaacgagt 240  
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ctatcgttgg agtaacgggg ctgatctcgc tcttcaacta cacaatctac gatattataa 360  
cgcggtacga ccagccata tacgcaaact tcatgtgctg gacggccatt tgggcccga 420  
tcttccattg gattgtggcc gtctgcaact attgcgatta tatgcgctat gtgactgact 480  
tttcgagcga aagttttgca atgtatgtcg ggattattta tt 522

<210> 24029

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 24029

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ggaatccgaa gtcgaggatt atatccgca gcgaacggca cagattaatg ccgaagctca 180  
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ggcacaactc tctcacctcg gtcgcgcaaa agggaatgtc atcctcggcg tcttccagaa 420  
atatttaact ggacacccca aaggcgcagc cggagcatgg atgctcaacg gcgctctgca 480  
aatcctggac acagggatcg taccggggaa ccgcaacctc gacaacgtgg aggccgaatt 540  
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gcgcgcggtc agcgtcactt ctttcggatt cggacagaaa ggcgacaga ctattgtcgt 660  
gcatcccaag tatttatttg cgacgtgga ggagcaggaa tatgaggagt acctggacaa 720  
gcgtgcgaag aggcagaaga aagccgattc gttcttctat cgggggttgg cttccaacag 780

gcttttcgag ctgaagactg ccccgccgtg ggcaccgcag aaggagctgg agacgctgct 840  
agatcccacg 850

<210> 24030  
<211> 500  
<212> DNA  
<213> Aspergillus nidulans

<400> 24030

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tgcgacccat gcagaatatt ctgcacgcgc agaattctga gcatgacgct gcacaagaac 180  
aaaagccgtt aaattgccag accacggcgg atgaatttct cgtgcccggg ccaccgcacc 240  
gacagaagag agcaaagcca gtggatgtca tactaatgga tctttggatg cccgaaatgg 300  
acgggtacga agccacatca aagatattcg agatgatcaa cgagcgttac cagaatccga 360  
ttccatcgca atcacagttg catcgctccg gacttcccct atcgcaacca cccactgttc 420  
tcgccgtcag cgcagacgtt acagatgagg cgcttaatcg cgccaccaaa gtcggcatga 480  
agggttacat gacgaagcct 500

<210> 24031  
<211> 752  
<212> DNA  
<213> Aspergillus nidulans

<400> 24031

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atgggcccga tggacggcga caatcaggtc aaactaaatg gtttgccgat tgagctcgat 180  
gagattgcca acagcatact caccactggg aatgatctgg tgtccgaagc cgtcgtaact 240  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24032

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<400> 24033

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<400> 24034

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 <213> Aspergillus nidulans

<400> 24035

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24037

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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 24040

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 <400> 24041

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 24043

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<210> 24044  
<211> 408  
<212> DNA  
<213> Aspergillus nidulans

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<211> 2326  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 24045

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<400> 24055

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 <213> Aspergillus nidulans

<400> 24076

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<400> 24077

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<400> 24083

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 gacaatggct tcgtctcccc cgatgccttt ggtaccgacg acatcacctg ccacaggggc 240  
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 aacacctggc ccgaatctca taagggtggg tatta 336

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<210> 24086  
 <211> 1313  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24086

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<400> 24087

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<210> 24088  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24088

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 <213> Aspergillus nidulans

<400> 24089

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 <213> Aspergillus nidulans

<400> 24090

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<212> DNA  
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<400> 24093

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<210> 24095  
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<212> DNA  
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<400> 24098

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<400> 24099

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 <213> Aspergillus nidulans

<400> 24100

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<400> 24102

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<400> 24103

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<400> 24107

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<210> 24108  
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 <212> DNA  
 <213> Aspergillus nidulans



<400> 24108

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<213> Aspergillus nidulans  
<400> 24109

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ggccctgtca tgtccaatgt ccacagcccc ggcggacaga tgtcgctgat gggcccgccg 180  
cagtccggac ttctgccggg cttcaatagc gggttggtgg ctagcatgca gcagatgtac 240  
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<211> 624  
<212> DNA  
<213> Aspergillus nidulans  
<400> 24110

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aggcagctaa cgctttgaat ttcaggttca aattggtctc cgcttaccct ggacgagaga 180  
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gggtaccgct actacgctgt gacttattcg ccctttgaag atggatgttt caagttctgg 540  
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<210> 24111

<211> 786  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24111

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atggaatact gtgctttagg cgatttgtca cagttcatca aacgaaggga cagtctcaaa 180
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24112

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gtcgaagaca ccaaaaaaaaa ggccaatgcg ataagcaagg aagctgcgcg ggaatttgag 180
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<210> 24113

<211> 773  
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 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 24113

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gacgaggcca tcaagtccac tcctcccaag aaggaggaga agccaagaa ggaggctgct 180
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aacctgatcg gtaagtatta tcctgctttg gacgtgtctt cgtacagttt ctaaataaat 480
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<210> 24114  
 <211> 299  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24114

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<210> 24115  
 <211> 615

<212> DNA  
 <213> Aspergillus nidulans

<400> 24115

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 gacggaaacc cagcgattga cgggccgcta tttgtgcagt tctgcgcaa tgatcctgat 240  
 gactttttta acgccgcgcg ccatgtggca ccttattgcg acgccgttga tttgaacctg 300  
 ggttgctccgc aaggcattgc aaggcgaggc cactatggcg ctttctcgca ggaggactgg 360  
 gacttaatct acaaattgat caacaagctt catatggaac tcgaagcccc tgttacggcg 420  
 aagtttagaa tccaagaatc gaaggagaag actttggagt atgccaagat gatactctcc 480  
 gctggcgcaa gactaatcac cctccatgga cggacaagag agcaaaaagg tcataatacc 540  
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<210> 24116  
 <211> 1124  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24116

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<210> 24117  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24117

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 gccagttccg tctgtccca aatcacgct atcaaaagcg agttcgccac cggacgagag 240  
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 cgttgggtatg tttgtcaacg tagatgggtga tgtgttcgt ggcacgatta cctttcataa 660  
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 aaaatttttg gaggtacagc cttgggatgt tgaccagca gaagccgagg attacaagag 840

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<212> DNA  
<213> Aspergillus nidulans

<400> 24118

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aagaatttga ccgtctgttt aatgtcaacg tgcgcagtat ctacctggcc tcgaaagtcc 420  
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ccatccggcc aggagccacg cagacctggt acaacgcaac taaggccggt gtctcgtcag 540  
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<210> 24119  
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<212> DNA  
<213> Aspergillus nidulans

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tatgcgggac agggtcagcc gtctctcgcc tttgccgag ataattacac cgatcttccg 180

cggagtacga aagatatggg ctttaccggt gaagtcatga cgggcactgg gaacacgtta 240  
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cagacaagaa gtttaaagag gtcgaataag aacagggggg gttttgacat tcaggccgga 360  
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<210> 24120  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24120

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<212> DNA  
<213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 24123  
 <211> 345  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24123

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 ggtgctagcg acaaggagaa tgtcgatctc caaggtgcat tggacaacct gaagggggat 180  
 ctgacaagcc cagaaaagaa gatgacggtg gaagaatgga tcctatggaa tgcaaagaat 240  
 ggagaagaaa ggctcaaacg agaatgcgaa agactagtcg ggcagttcga gagagaaggg 300  
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<210> 24124  
 <211> 400  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24124

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 gaacagccag tacctgactc acgtgcaggc cggtaccgag ccattcactg gctccgacgc 360  
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<210> 24125  
 <211> 349  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24125

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 gcctgaacca gagttccagt tgtatactga agcatcgcc aatacacctt ttgctggaaa 180

gccaaaggga gactggaggg taaatatcag gcgtgagggg atctttacgg ggcacaatgt 240  
gctgcagaag ctggagcgca tgggattaat tgcatgcgac gactcgtctg ttggacctga 300  
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<210> 24126  
<211> 378  
<212> DNA  
<213> Aspergillus nidulans

<400> 24126  
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tacgaacggg caatgggtgc gatgttcctt cgaccctgc ctaacgaagg gttggagtta 180  
gttgtgtggg gtaccgatgt ggaaggcctc gagcaggccg cccgtcttgt gccaacactg 240  
accggagctg gacaaccgga attcgtggtt ctcggtgaca actgtcgtg gaagggccat 300  
gcgggccttt atgctgctgg ccactttgac aagttctggc aaatttcgac cgggtcttac 360  
attgcgaatg ttgtatag 378

<210> 24127  
<211> 476  
<212> DNA  
<213> Aspergillus nidulans

<400> 24127  
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gctggaccat gttaacgccg cggcagccaa acacacttag aacattgcca ttcgagaagt 180  
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<210> 24128  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24128

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gtggtcgtac acatcggcgg tggtccttac catggacact acgtttcgat catcaagacc  180
caggatagag gttggctgct tttcgatgat gaaatggtag agccggtgga taagaactat  240
gtacgcaact tctttggtga caaaccaggg ctagcctgtg cgtatgtgct tttctaccag  300
gagacaacca tggaggccgt gatgaaggag caggagcagg agaacacgga gccgcctggt  360
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gcccacagcg catcccaggt cccgacatat gaggaccatg accgtttcac gggcttgaaa  480
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gcagctctcg aggcaagcaa agtgtcaaaa gaagatgaag atcgacgcaa tcacgccgag  840
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<210> 24129  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24129

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tatgtttttt ctttcgttat gtgtttgaag ccgtttcttt tttttttttt cttgtgttat  180
cctcataagg aacttgacag ttctggtaca ccgcttggtc ttgttcaagg cactaaacga  240
tattcattca cagggtatct gtgaaaaggt cgagaagtca tatattgctc ccatcgacaa  300
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gaagaagtat ttggtacctg cagaccttac cgatggccag ttcgtctacg tcatacgcaa 360  
 ggcgatcaag ctgtctccaa agaaagccat cttcatcttt ggcgacgagg tcttgccccc 420  
 aacggctgca ctaatgcgta gcatttatga agagcacaag gacgaagacg ggttccttta 480  
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<210> 24130  
 <211> 932  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 24130

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 gtgctaggat tagcactatc ttgagccagg tggctcaatt ggttaagaat gccacaagcg 480  
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<210> 24131  
 <211> 1425

<212> DNA  
 <213> *Aspergillus nidulans*

<400> 24131

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acaaatgccc atatccccat tctccagcac ttccaactct tggttgagct gcatgacgcg 480
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<210> 24132  
 <211> 1212  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24132

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ccgtacatag caatgacgcg gttcgcacag tacacggtcc agaagttaca gcggatcgag  180
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cgagtggcgg acgtgaagcg aaacactggg tatgctgtct cgtggggagt cgatgcccggt  300
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<210> 24133  
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 <212> DNA  
 <213> *Aspergillus nidulans*



<400> 24133

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<210> 24134

<211> 689

<212> DNA

<213> *Aspergillus nidulans*

<400> 24134

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gttgaccccc agttccagca cgcaaacct agtgtggttc tcgctgctgt caaacagtc 180  
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ttttgctcca aaagcagccg gacatcctta acaaagagct ccgcggtttt ttctgcaagt 420  
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 accgaaactt cgaccagcta ctagcagaac tgagggagta cgccctggag gtggacatgg 540  
 atttcgtccg ccgcgcggtc aaggcgattg gccaggttgc aatcaagatc gaaagcgctt 600  
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<210> 24135  
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 <213> *Aspergillus nidulans*

<400> 24135

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<210> 24136  
 <211> 585

<212> DNA  
 <213> Aspergillus nidulans

<400> 24136

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24137

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acagccaagg ttctcgagtt cttgcaggcg ggcaagaaca tcagacatgg tgactggacc 180
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<210> 24138  
 <211> 791  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24138

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ggacaccttg gttctgcatg gggtcgtacg aaggaggata agaacgttat cgtttgggcg 180
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<400> 24139

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<400> 24140

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<400> 24149

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 <213> Aspergillus nidulans

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1225

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<212> DNA  
<213> Aspergillus nidulans  
  
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acagcaccgt caacgaaact ggcaccaagg taaggaacag gcgatgcgct ctaccctgta 180  
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aaatgcacga gacgctagag tcaactgggtg ggaacattca gtgcgcctct tcccgtgagt 480  
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<212> DNA  
<213> *Aspergillus nidulans*

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tatctctgat cttcatagct cccggtgacc gctcccacat ccctgccgag gcacggccta 240  
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cacgtgacta cgagacggct cgtacaatcc acattgatat catgacgaac aggactgatg 480  
agtgcggtaa ctggatggta tagtactttc ctatcgtttg ctaaacaatct tatgctaate 540  
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<210> 24157  
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<212> DNA  
<213> *Aspergillus nidulans*

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 tccgggcgga tactttgtta ttcgcaaggt taagcaggag gccgcgcctg cgactgcaat 780  
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<210> 24158  
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 <213> Aspergillus nidulans  
 <400> 24158

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acccggtttc atggttttga catacctcgt gcgcattcca cccttgcac caacagaggt 540  
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 ttcattgcgtg aggctcttga cgaaatcgag ccggagctta ttgacccttt ccggaagatt 660  
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<210> 24159  
 <211> 745  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 gttgtgcgac gcgaggcagt atggtcgggt catctctcag ttcttgcaat ggctacgtcg 240  
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 tgagaagctc ggctggcgca gtttgtcttg tattgccgaa gaggtggtag agcctgcgcg 360  
 caaccaagct gctatggacg gcgaacttgc ccgaaaatt cggcgcacag agaatgaggg 420  
 gatcaagatt gtgactataa accagggtga aatggtgtct gaaagtgtcc gagaggcgat 480  
 agacaagcga attgaagact ggaaagccaa ccgcaaggga acccaagtgc atctttcaga 540  
 catccacca tggcgcgacc acgaacaccg ctggtacttc tatgcagttg acaaagaagg 600  
 aacaatctgt gcctttgtca ccttggctct gatctcgccc acgtacggca tgcaggtcaa 660  
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<210> 24160  
 <211> 1005  
 <212> DNA

<213> Aspergillus nidulans

<400> 24160

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cgcgaaacgt cagagctatt tgattggggg tccgatggcc ttgaagttac attcgagcac 180  
ctgtatccgt gcggccttat tattcgctct gtagtcaactg acgatcaaga cccgccttca 240  
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<210> 24161

<211> 501

<212> DNA

<213> Aspergillus nidulans

<400> 24161

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cgacggtcca gcggtgttaa gcaaccacta ggagtggact tgacatttgg caatagccct 180  
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gaggttctgg gaactactgg agaccaagag aagcggaag cgatttctcg tcttgctgag 420  
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<210> 24162  
<211> 1944  
<212> DNA  
<213> Aspergillus nidulans  
<400> 24162

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aagtcccatg tggcgacatt gctcaccatg ttcaagcccg aactccgaaa gcaacgaatc 720  
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<210> 24163  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 24163

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<210> 24164  
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 <212> DNA  
 <213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 24165

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<210> 24166

<211> 528

<212> DNA

<213> Aspergillus nidulans

<400> 24166

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<210> 24167

<211> 600

<212> DNA

<213> Aspergillus nidulans

<400> 24167

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 aagccatcca ttccagaact cccaatgccg aaagatagtc atctcctgag cccgatgagt 240  
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<210> 24168  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24168

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<210> 24169  
 <211> 1456  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24169

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<212> DNA  
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<400> 24170

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<212> DNA  
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<400> 24171

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<212> DNA  
<213> Aspergillus nidulans  
  
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<212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 24176  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 24177  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24177

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 <213> Aspergillus nidulans

<400> 24178

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<212> DNA  
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 24180

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 <213> Aspergillus nidulans

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<400> 24182



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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 24184

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24185

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<210> 24186  
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 <213> Aspergillus nidulans

<400> 24186

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<210> 24187

<211> 852

<212> DNA

<213> *Aspergillus nidulans*

<400> 24187

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<212> DNA  
<213> Aspergillus nidulans  
<400> 24188

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24190

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<210> 24191

<211> 617

<212> DNA

<213> *Aspergillus nidulans*

<400> 24191

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<210> 24192

<211> 1284

<212> DNA

<213> *Aspergillus nidulans*

<400> 24192

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<210> 24193

<211> 231

<212> DNA

<213> *Aspergillus nidulans*

<400> 24193



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acgggtccagg ccagcatact gatcgggtctt ctttgctgca cgtttggcat cgacaaactc 180  
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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<210> 24198

<211> 696

<212> DNA

<213> Aspergillus nidulans

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<211> 1104

<212> DNA

<213> Aspergillus nidulans

<400> 24199

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<210> 24200

<211> 960

<212> DNA

<213> *Aspergillus nidulans*

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<210> 24201  
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 <212> DNA  
 <213> Aspergillus nidulans

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 aacccaaaca ggctgaacaa aagaaaccag aaccgaagaa agaggaacct gttgctgcac 600

cctccacgcc tgcccctgcc cctgcccctg agcctgagcc tgccgccggt ggcaagaaga 660  
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<210> 24202  
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 <212> DNA  
 <213> Aspergillus nidulans

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 tacgtgtctt tggaccgtcg gtccttattg ccatacgcta tttccttatc ccgtgggtatt 180  
 gccattactc acatctatctt cttccaggcc tctcacgtct cgaatatcga ggatatgact 240  
 ctgcaggtct cgcagttgat ggtgacaaga agaataaggt ctgtgccttt aaagaagttg 300  
 ggaagggttg caagttgaaa caactcatcg aggaatcaa acctgatctt accaagacat 360

ttgagtccca tgctggtatc tctcacacac gttgggctac gcacggaacg ccctcccgtc 420  
 ttaactgcca cccacacagg 440

<210> 24203  
 <211> 407  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24203

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 cacaatcgcc aaagagttcg aaccggacgg caagaatggt gatggaaagg gacgcggccg 180  
 cgaccgagag gacgacgaac ttgacaatga agacgacgtt ccagctaaga agaagaccaa 240  
 gggcgccgtg gtaagtgatg tttgtctaaa gttgtttcgc tcatgttcaa ctaataaaca 300  
 aatagaacaa gcaagtcaaa gccgtcaagg gcagcaaagg aaactccgcc tccacgtctc 360  
 gagcctcttc agccaaccct cccaagtcgc gcgggcgaaa gaagtga 407

<210> 24204  
 <211> 906  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24204

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 agacagcagc cttcccagca tccgcttcag cagcaacaac cgccgcaggc acagaaccag 180  
 cagcagcaac tccctcaaca gcctcagcaa gctcagcaac aatttcatgc ccagcctcag 240  
 tttgtacctc agggatccaa ctctcccaat ctgaacatgc ctactgtgaa cggtagccca 300  
 aacaatccgg ccatgattgc agcactccaa gcgggaggcg gaatgcagag tccgcccttc 360  
 cacaactctg cacctcaagg cgtctctaca ctttctccac gtatgggtca accgaacacc 420  
 ctatctagtg gagctgttcc aacaacgatt agcacgatcc agagccagat ccaaaggagc 480  
 aatcccaaca tgccgctcga acaagtcaaa caactaacca cggaacgact ccatcagtac 540  
 cagcagcaac agcagcaacg gatgtctcag gttgctatga atgcagcggc gggtaatattg 600

ggcgtgcagc ccaattatca ggtctcacat gatgggaatt ttcaacctca aagtggcatg 660  
 agtggtggtc cgaacatgca agttccccag gcgcagggtt tttctccaat gatgcgtgta 720  
 ccccaacctt cccagcaaaa ccggatcggg gctggagggt cccttgctat gggcgtagct 780  
 gtaccgcaac aaagccggag cgcgaccccg caaacacaac gcagtggcag cattcagact 840  
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 gcctga 906

<210> 24205  
 <211> 835  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 24205

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 gcgagctgag ctgtgtgtct gttttccaca agtatgtgac caatacgatc tccttccaat 180  
 ccgcaatgtc tctaatatgt cgaccttttt aggggtgttt gtcacgcgat tcacttgatga 240  
 tatggtccgc aagatcttca actcgnctac ttatgtcaag ccctgtgtcg tcgatgctgc 300  
 gcataaactg cttggcaaga ctaactgggt attcttggat ggcaaggaac atgttgactt 360  
 ccgcaagggc ttgaacaacc ttttcacccg tcaggcgctt tcttgctatc ttctcgcgat 420  
 ggaggaggtt tacaatgact actacgcgcg cttcctcaaa aagtctaaga acaacaacta 480  
 taagccaacg ccgtggatgc ccgaattccg tgacctgatg tgcgccgtct cttgccgtac 540  
 cttcgtaggc cactacattt ccgatgaggc cattgataag atttccgtcg actactacaa 600  
 catcaccgct gcgctggaat tgggtcaactt cccgatcatc ctccctttca ccaagacctg 660  
 gtacggaaaag aaggctgcgg acatggttct tgacgaattt gccaaagtgtg ctgccaaaag 720  
 cagagctcgt atggctgcgg gcggagagat tagctgcatt atggacgctt ggatcaaggc 780  
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<210> 24206  
 <211> 354  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 24206

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attctcagcc ttcctggcat gaccgaggaa cgggtagcaa gcaactgaagc tgccctcgtg 120

cgctccacat ccgcccgcga acaacgcgct ttagttcttg acctcttga gggactaaga 180

ggtgtcagca ttgccgaaca aggcaaaata ttgggatcac gcgaagagcg ccgcaaggcg 240

cgcagtgtc tccaggaaag atatatgagc aatgaaatgg agggtaaca aaccacaag 300

gtcgatataa atgatgggcc tgatcttcc ggtgttcgga acatgtttgg ttaa 354

<210> 24207

<211> 387

<212> DNA

<213> *Aspergillus nidulans*

<400> 24207

aacctcgaga catgggaaca caaggtcagt gacaagatcg cccgcctggc caagcacttt 60

gacagtgtct gcaccgcgc tctccctgcc ggccaggaag agcccgacc cgccgacctg 120

acggtcgact tccgggcagt gaccaacttc ttcagtctcg acgcgattgt cgacattggg 180

ctgagcgaga aactcggctt cctagatcag ggacacgata tgtgcacggc cgaacgcaaa 240

gatggcacga cctaccgcgc ctccctccgc gacgcctgt accctaacgc ccgcaaacia 300

tctctcctcc tctggaacta cgactggtac ccgatcatca atcgctgggt gaacatcatt 360

ccttacttcg ccaagatgca gaaatcc 387

<210> 24208

<211> 321

<212> DNA

<213> *Aspergillus nidulans*

<400> 24208

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ggttatgtca cgggaatcgt cgctgacggc acatactacg gcggttacct cgtaaccag 120

tacccttaca gcaacgacc ccctgcagtt gttggatggg ctgaggatgc taccgacctg 180

ggtttcgttg atggctccg ctacacctct ggcgatatca tctgccaca ggacgtacc 240

aacgcccagg cttctgccac cgtcgctgct ggtggcaccg ttgagctgca gtggactgag 300

tggcctgaat cccaccacgg t

321

<210> 24209  
<211> 459  
<212> DNA  
<213> Aspergillus nidulans

<400> 24209

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tggacgtatg atacggaaca atttgacttg atctacgtcc gcgagatgtt cggctcgata 180  
cctgattggg atgcgtttct cgggcaatgt tgggcctctc tacgaccagg tggctacata 240  
gaagttgttg agcattcgat tacgcccata tgggacgctg ataccagcct gggacctatc 300  
tacgcattat gggagcagac aatggcgcag gttgagcagg tatctggcag gagtttctcg 360  
atctggcgtg aaagcgcaca ggtgctggag ggtagtggct tccaagatat taccaaaaga 420  
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<210> 24210  
<211> 226  
<212> DNA  
<213> Aspergillus nidulans

<400> 24210

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agaatcgtag gcgtgtcatg ctggcttgca ccccatcccc tatcaaaacc agaatcatgg 180  
tacagctggt cccaatcctg gctcctctgg ttccggcagg ggctaa 226

<210> 24211  
<211> 637  
<212> DNA  
<213> Aspergillus nidulans

<400> 24211

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acggtagaca agcttcgcgc gggcccaatc tcaatgccgc atgatcatga atggaacgca 180  
 tttgtcgcaa atacggacga aatggtggac cgcgatatcc gaatccgtga cgttgaaagc 240  
 attacgtatc ccggcaagga tcatccggct gctgcagaag tcaggtcagg gatgctggaa 300  
 cgcaagagca agtatctgaa gagctatgct cctggatggc tcgtctgctt acccgttgga 360  
 ctgctcgatg tgctaactct gctgcaggta tgttttgtca ccgactcacc tccatgagtt 420  
 taagtcggcg gataggggtg catggcagac accagtaatg tcattatacc ttccagaaca 480  
 gaaacttga tgcattcgc aaccggactc gacatcgac aagttcatgc tgaaaggacg 540  
 gcaaacggga acgatgcacg agggtcactc ctgggtattt agagcggagt cccacaaaag 600  
 aatgataacc tggtagcagg atattgatgg aatgate 637

<210> 24212  
 <211> 705  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24212  
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 gaccccgaaa cagccgagat ctacgcccgc atcgccgccc gccggcgccc tcgaccctc 180  
 atccccctcg atctctccct gctgcactcc ccgcccgtcg cagacggctg gaacagcttc 240  
 cttggtgcca ttcgtagcga gactgtagtc gaccagggcc tccttgaact cgctgtctcg 300  
 agagtggccg tgatcacgca agccgtatac gagtggaatg cgcattgccc gctagctttg 360  
 aaggggggaa tcaaaccgga ggaattgcac gccgtgcgaa cgctgccctc tacagcaacc 420  
 ggagatgtgg acgcggccgt aaaggctctc gggcagagtg cgttgacgcc gcagcagagg 480  
 gcgattgtga ggtacgcgga cgaaatgacc cagacggtca aagtgaaga cgagacgttt 540  
 gcgcagttgc agaaggaggg gttctcgat cgcgagattg tggagttgac tacggggatt 600  
 gcgtgctaca actgtgtgag ccgggtactg gttgccttgc acgtgggaga gaacaatgcg 660  
 cgagagatga agagcgtgga tgagctagtt gcgggtttga aatga 705

<210> 24213  
 <211> 933

<212> DNA  
 <213> Aspergillus nidulans

<400> 24213

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 gtcgtctttc ttaaggagac cggatcaccg agtaccacac cagaacttga aagaatatac 180  
 cttcagaccg cgctaccaac agtggttatcc gaccatttac ttactgaagt accagaccat 240  
 ctcaactacg actgtcatat aatcggttcc actgcatctg ggacaggaag ggccaaagta 300  
 ctatctggta tacttcaaca acttctcgcg tggatcggcc tcaatcggtt tacgggtcac 360  
 gagacacagt cagctcagac aataactgag ttgtgtcatt ctttgttcat ccgcaggcc 420  
 gaagcgggta tccaacaaac catcggttcta ctgtctggag atggtggact ctgcgatatt 480  
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 ccactaatgg cactgctgcg cggaaaacct attcctctac ccgttttcgt tgctacgttc 660  
 tccgacggag cgcgctatgt ccaggagac agttcccgcg tttcgaggat atatggatgt 720  
 gttgttgcca gttgggggat acatgcctcg ctagtgcag atagcgacac agtcgaatat 780  
 cgcaagtttg gagccgacag attcaaaatg gctgcaaaag agtcctttt cccatcggac 840  
 ggtagcgagg ccacaaaata cagtggcact ataaccttgc tcaagagaga tggccaacaa 900  
 tgtctcgagc atgaactggg tttagagcat taa 933

<210> 24214  
 <211> 666  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24214

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 atgtgcagcc ctagcattct tgagaaagag agcgaggctc tgctggcggc ctcggtgcga 180  
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gccggcgatg atgctgccaa agtgtattgt gcctggaata ggacgttttg caacacccca 360  
gaggagaaca ccttgtacat tctcagatgg gtatacaacg agccctcctc tgaagaggaa 420  
accgagacaa ccattaaagc gatggctgca atactcaggc gagcgcagct agaagcccaa 480  
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gcactgttgg accccactgc cgagataatt caccgcgaga aagacagcat cgcggtcttc 600  
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tggttaa 666

<210> 24215  
<211> 384  
<212> DNA  
<213> Aspergillus nidulans

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aaaacggtag agtttccaga agaggacgag tcttatggcg aactagagat tcggtttctg 180  
ggtccagatt gcaccgaccc tgtacaaagt aagtcctcga aagttttgca atgctccaag 240  
caagttatct gacagctcca tagccggtgc ggtaaatgtt accctacttt acctggcagg 300  
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<210> 24216  
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<212> DNA  
<213> Aspergillus nidulans

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ccgccgggtc gcttgcaacc ctccgccgc tctgctgca ctggatgggc tctacgaacg 240  
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ctggtgcctc aggtcgagac cgagcatatc cgctcggctc gatggacgac agcaaccgat 360  
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 atcgctggcc tgtcctgcct gatggaaata gtagtgaaga gcggttgacc aatgagcatc 480  
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 atttgaggtc aacgagtgtg aaggagcatg tttag 635

<210> 24217  
 <211> 609  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24217

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 gagcaagcta aggctcaagc tgcagcggaa cgccaagccg gtgattccag gctcaatggc 180  
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 aagaagctca agctagacaa ttcccccgac gggttccccg taactggact tcgggagatc 480  
 cagactcttc ttgaagcgcg ccatcaaac gttgtttacc tccgcgaggt cgtcatggga 540  
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 tgccccata 609

<210> 24218  
 <211> 528  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24218

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gttcagcaaa ccgaacccag gtcagaagca gaattcctgg gcctaagctt actaaagcag 180  
aagtctagcc ttcttctttt cggcgatctt cttttcatgg atcccacagc taggaatgat 240  
gaggttatcg acacgacaga gaaagcactc atcgctggag acttgatcc acgcatagcc 300  
atgatactta ttcttctttt acgtactgag actctgcaaa gccctcaagg agtatgggtt 360  
catgcagggc tggcggaaac ggcggaggct tacttgcgaa aaaccgacga agcgggaatg 420  
tcgatcacag ggttcttcga tgctaggatt ctggacatga tgaaacgatt cctgctctca 480  
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<210> 24219  
<211> 675  
<212> DNA  
<213> Aspergillus nidulans

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actatagaga accgtggggc ggtgccattt ggggacgacg ccgactacca agtacaccgc 180  
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cagaacaatt tcttcggttc gatccgtaac ttcgctcgtt acctgactgc catgccccaa 600  
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<210> 24220  
<211> 1011  
<212> DNA  
<213> Aspergillus nidulans

<400> 24220





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ggctccttcg tcgtctctca taccaccagc ttcacggcaa catggcttac cctggctctc 540  
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gcggtatttcg tttcgagccc tagccgaaaa gacgagcgac gagcttcgct caagcagcag 720  
gaacatactc accagaatcc aaaccatata agaccataa cccagaaca agtcgcaaaa 780  
gaagaacgga tatttgctgc cggcgctgca ctaaagtggc actctcccc ctccaattt 840  
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<210> 24222  
<211> 1610  
<212> DNA  
<213> Aspergillus nidulans

<400> 24222  
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cagattgcga tgaggatttg caaaacggcc acagttatga cggcttataa caagattaac 420  
ggtacccatg tgagtgagaa taagaagtac atcacagaca ttttgcgcaa ggagtgggga 480  
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<210> 24224  
 <211> 907  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24224

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<210> 24225  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24225

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cgattgcaac ctcaacaagc tgcgccattt gcaaagtgtc cttcgccaac gtacaggaac 180

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agcgcgagca tgtgcgctcc gaccatcata aatacaacgt gcgagctcag cttagaggca 240  
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cgggggtccga gtcgtcggaa gaggaagacg gagatgctgg ggaccagctc tcagctttgc 360  
tgaaaaggca ggctaaaatc tcccaagcgg ctgaagaggg caaagagagc gccacaccga 420  
ggggtgtcgg gaaacatccg ctattgtggg ttacgcatcc tgctctccca ccgaatacgt 480  
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<210> 24226  
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<212> DNA  
<213> Aspergillus nidulans

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atttctcgtc acatcttccg gaaccttcgg tgggattatc ggagccgacc gtcctcccgc 180  
cagcttctaa gctgcgcaaa accagaaccg acaatggtac gaaaaccgcg aggagcgact 240  
gcgcgcccag gaacttcgcg gtatgagctt tagcgatcgc gccctcgctt gggctaggga 300  
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gcagggtgct acgcttgccg ttcttatcgc cagtgtgca ttcgagattt ccgagaggag 480  
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taacaacact ggtgaagata ccgagctatg gaaggacatg gtcgctgctg aggagcagcg 600  
gttgaagaac aagcaccagt cgctctatga aaagcatcag aatgacgccg gttctgacct 660  
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<210> 24227  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24227

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gaggatagcc ctcgtctcaa gaaggaagag cgcaaggta agcatttgcc gttctggagg 180  
aagtacattg agcttcagcg tgccatgttc ttccacaaca acgccctcac cagcagccac 240  
ccatacgca gcgagccgtt ccagtggccg ttccttctcc gcggtgtcag cttctggaca 300  
aagagtgaca cccgcgagca gatctacttc ctgggtaacc ctggtggatg gtggatctcc 360  
agcagtcttt tagctgtgtt cgccggtgtc atcggcgctg accagctctc tctccgccgc 420  
ggtgtcgatg ctgtcgaaga aa 442

<210> 24228

<211> 681

<212> DNA

<213> *Aspergillus nidulans*

<400> 24228

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aaccagatta ttggaatcaa ttatatcgac acctacttcc gactggcct ctacccatcc 180  
tccaagcctg aaatcctagg ccgggaggcc gtcggcgaag tcgtggccgt cgggtccggt 240  
gccaatcctt acaacttcca gattggcgat cgcggtggtt ggctatccac cggctcgtac 300  
gcagagtaca ctgctgtccc gcaggcggtc gcagtcaagg ttcttgaggg gatatcgaat 360  
gaggatgtca tgggttcctt tttgagcggg ctgacagtgt tgacgctcgc gaaggagacg 420  
tatcccgctc agagagggga ttgggtgctg cttcatgctg ctgcagggtg tgctggattt 480  
ctcatgacgc aggttctgaa gagcattggt gctattgtca ttgggacggc aggaggaccg 540  
gagaagggtt agcttggtta gagcttaggt gcggattatg tgattgatta tcgtagtgaa 600  
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gtctatgatt cagttggcaa g 681

<210> 24229

<211> 423

<212> DNA  
<213> Aspergillus nidulans

<400> 24229

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gagctggaga aagtgcgcgc atcggccaaa aagggtgctgt ccctatccag tacactcggc 180
gccggtcgta agctgcgata gacaacatgg ttcaactcgg gcgatgcagg gatgaccgcc 240
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ccaattattg gcatcgacac gactgggtct gatatctcgc cgtgcaatcg ataccatatt 360
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ccc 423
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<210> 24230  
<211> 1578  
<212> DNA  
<213> Aspergillus nidulans

<400> 24230

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tttggattgc cggtcgggct ggctggttct ccatctcccc cgccaagggg taccggccga 180
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gaggatgaag atgtagagat ggaaaccagg gcaactacgc cagacgcgac agccatctcc 660
aaggcacagg cagacgccat ttaccagatc atccttgatc ttaaagaggc agggatatctc 720
gcgaaacggc aactgaacct agagttggta acttcgactt taatggcgcg cttcgaaatc 780
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aaagctgcac cgaaaaagaa taccgccgga aacgcgacaa acaccccgat acggctgcgc 960  
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ggaaagcggg ctggaagcac aacagccgac tacgatctct cagatgacaa ccaagatgcg 1140  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 24231

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<210> 24232  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24232

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gaaagtcgac tggaaatggg tcgctagcta acaatgctca agagggcgtc atgtctggta 180
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<210> 24233  
 <211> 1703  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24233

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gcagaaggtg aagtgaatta cccttgggcg tggactgcta ttggtgcggc gccggccacg 1620  
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1703

<210> 24234  
<211> 582  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 24234

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cctctcgca ctctcaacag ctgggtggca acattccctg atatcgatac cgtccacacc 180  
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<210> 24235  
<211> 993  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 24235

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<210> 24236  
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 <213> Aspergillus nidulans

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 gctacgacga agaaagcgca gaatatggct gctgagaaag gattcgacca gagggttctg 540  
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<210> 24237  
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 <212> DNA

<213> Aspergillus nidulans

<400> 24237

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gacttctgca ggaacatggg gctggactgc tttatcgcca aacgaggcgt gatgcagaaa 300  
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cagggcagat tcgccggcgt ggacacattg catcctatct ccgagaacat ttatatcccc 420  
acaggagggc tgaccggcaa gaaggcgctt aagtctttct ctggcattgc agaggatggt 480  
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<210> 24238

<211> 474

<212> DNA

<213> Aspergillus nidulans

<400> 24238

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gccgctaata catgggactg ggctgagaag gacaatcagc tgaagaagct gcaggaggaa 420  
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<210> 24239

<211> 426

<212> DNA

<213> Aspergillus nidulans

<400> 24239

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caccagggaa tggcgcacgc aggatcgtct cacctgggag aggggtgctcg gcgcctgctt 180  
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ccactgggttg aaagcatgac gcccttggtt caaaaaatga ttggctggag aactatccgc 300  
cctctgccga ccaatattaa cgggcttatg aacgtgaagc tgggccgcct tgaagatgcc 360  
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<210> 24240

<211> 517

<212> DNA

<213> *Aspergillus nidulans*

<400> 24240

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tcccccatgt gagttatcat catgctcatt attcgtaatg ctgtatcttg acctctcata 180  
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tgtgtatgag ctggcgggca agtggagatc ccttcccga tctccatttc agcctcagcc 420  
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<210> 24241

<211> 1710

<212> DNA

<213> *Aspergillus nidulans*

<400> 24241

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 gcctgcgtgt tcgaggacga acaaggcgta tagatgagcc gtcccgcgc gtcaaagatc 240  
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1710

<210> 24242  
<211> 1781  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 24242

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aaccgtcgag atggctgcga gtcctaccga ttccgggtcaa ttccaggtag aggaaaagtc 180  
atcaagccag acttgcgaca acataaagcc aaataccagc catcaggagc atgccgagac 240  
gtatgctgac gagactgggc tatctcaaga tgaacaggaa tctaccaagg tatgaagcac 300  
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<210> 24243  
 <211> 1510  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 24243

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gctccttgac atattgaagg tcgaccttc aaagcgggat ctctctgatg ctggctatgc 1440  
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<210> 24244  
<211> 378  
<212> DNA  
<213> Aspergillus nidulans

<400> 24244  
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gtgcaagagt cactgtcagg tcaagacggg agcgcggtga atcacatcg cggtggggtt 180  
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<210> 24245  
<211> 1196  
<212> DNA  
<213> Aspergillus nidulans

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 aatgaacgta tcattgcgct ctttttctt gcaggcggtc tacttagcgg cttcacgata 360  
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 cgttctatgt cggcgtgggc ttgtcctgca tcgggatctt tggagtgggtg tttatgcagt 1140  
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<210> 24246  
 <211> 1735  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24246

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 aatcaaggca aattttcgaa cagcaagatg tccaagagct atcacgaaaa ctgatgcaga 240

gacttgagga gaaaatgaaa ggaactccag cggaaggc cttcccgaa tgattagtag 300  
 ggaaatcaaa aacatacatt tcatgtgtca atgttgacta tgagtcttca cgggtgcaag 360  
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 aatcgtgggt ctatcaatta catggtgttt tgggtccacag cggatgatctg aacgcgggcc 720  
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 gagtcagaag gttggggagc tcgggtcgac aatactcgat ctgatgaact ggccggcccg 1620  
 gaccgagttt gtcctttatg aggagattaa acacaccatg atcgatctca tgaagcccca 1680  
 gcaaacgttt cagcagtcag agatccaaga tggggacatt atcacatcca aaagg 1735

<210> 24247  
 <211> 555  
 <212> DNA

<213> Aspergillus nidulans

<400> 24247

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gttgctctgc gccaaatgcg tgtggggccag gcatggggca tccgcgagac gttccagcgt 120  
gagtacgaga ttgctgcacg attcatgcag cccccgact tcgtcgaggg cgtcaaggca 180  
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gagcatttcg tgaaggagtt tgaacacaag gaaggcgta aggagaaggt tgccgaggtg 480  
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acggatggtc agtag 555

<210> 24248

<211> 687

<212> DNA

<213> Aspergillus nidulans

<400> 24248

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cggctctatct tgccaggtag actagctgta cgtgggtatca cggccgacag ctacaaagag 180  
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687

<210> 24249  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24249

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cgagggacgc tgggttagtc gatgctcatc agtagcaatc tgcattctaa ctgatgaaca 180  
acagtccgga tgacttccgg ctccatagcc gtcttttccc cagttaacct aactcccgcg 240  
gtccgcgaaa cgatttccgg cctcggcgga cgagtcaagt acattgcagc cctcgacctt 300  
gaacaccaca tccatttaac ggcattgaaa aaagccttcc ccgacgcgga catcattgct 360  
cccgagggcc tatgggagaa gcgccaatcc gtacctgagc acaaagacac cccgatcaag 420  
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aacaaggagt ttgatatcga gtacgtctac ggtcatgggt cgaaggaaat cgtatttttg 540  
cataagccgt cgtgcacctt tatcgaagcg gacttggtgt ttaacttgcc tgcgcgcgag 600  
cagtactcga aaactggaga aagtgcgacg tcgggactct ggacgaagat tgttcggccg 660  
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<210> 24250  
<211> 380  
<212> DNA  
<213> Aspergillus nidulans

<400> 24250

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agcagacgga tcccagcgag gcccgatcaa ggtgaagtgt gcatccggag caccttgcac 180  
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ctgtgagaac gcgttcggcg acggattctg tctcgcagac ggtgacggca cctcgacctt 300  
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380

<210> 24251  
<211> 630  
<212> DNA  
<213> Aspergillus nidulans

<400> 24251

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<212> DNA  
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<400> 24252

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<212> DNA  
<213> Aspergillus nidulans



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24255

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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<210> 24258  
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<213> Aspergillus nidulans

<400> 24258

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<210> 24259

<211> 1230

<212> DNA

<213> Aspergillus nidulans

<400> 24259

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<400> 24260

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<210> 24261  
<211> 1770  
<212> DNA  
<213> Aspergillus nidulans

<400> 24261

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<212> DNA  
<213> Aspergillus nidulans

<400> 24262

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<212> DNA  
<213> Aspergillus nidulans

<400> 24263

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
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 <213> Aspergillus nidulans

<400> 24271

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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 24278

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<212> DNA  
<213> Aspergillus nidulans

<400> 24279

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<211> 608  
<212> DNA  
<213> Aspergillus nidulans

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<210> 24281  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24281

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<212> DNA  
<213> Aspergillus nidulans

<400> 24282  
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gatgggcagg ataacagtac tgcgctttct acttcagca caacaaatgc acctgctaca 240  
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 tatggatatg atgctcaaga tgctcaacat tga 813

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 <211> 254  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24283  
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 gaggcaacga acctgtcgcg gccgtccagt cccaggatac aggcaccaag cgcacaagtt 180  
 ggttttttga tagacgatga tccacgaatt ttcctctttt gttgtctatt ttatcccctt 240  
 cctgcagata tcta 254

<210> 24284  
 <211> 220  
 <212> DNA  
 <213> Aspergillus nidulans

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 gcctcacggc aaggctgaga tcggctaccg cagcgtcgtg cacaacaccc ttgacgagaa 180  
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<210> 24285  
 <211> 486  
 <212> DNA

<213> Aspergillus nidulans

<400> 24285

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tacgactctg cgttcactca cctccgcccgc tcaattgaac tagacgacaa tcttccctac 180  
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cttgtgagac ttggaagact cgcagaggcc aagattgtca agcagcagct aaagtttgtg 420  
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<210> 24286

<211> 744

<212> DNA

<213> Aspergillus nidulans

<400> 24286

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ccgttcggca aagagttgga gcagggtcaac gaagtggctg aggaatttgg aggcgcccct 600  
ctgtttgacg aggaagagca gattctgcgc agaaaggac tcaagaaatt ttccgtgaat 660  
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744

<210> 24287  
<211> 520  
<212> DNA  
<213> Aspergillus nidulans

<400> 24287

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aatgcatatc acaatccacc aggtcgggtgc aaaatacgtc ttcgttcgca tccctcggtaa 180  
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<210> 24288  
<211> 1179  
<212> DNA  
<213> Aspergillus nidulans

<400> 24288

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<210> 24289  
 <211> 444  
 <212> DNA  
 <213> Aspergillus nidulans

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 accgaagctg gggaggatct ggggtgttga gagggatggt ggtataaagg tctgctttcc 360  
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<210> 24290  
 <211> 741  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24290

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 gacattccca gacaggacgg agagtatatg gtgttctacc gcgactcgga catgctacga 660  
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<210> 24291  
 <211> 663  
 <212> DNA  
 <213> *Aspergillus nidulans*

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ctg 663

<210> 24292  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 24292

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<210> 24293  
<211> 657  
<212> DNA  
<213> Aspergillus nidulans  
<400> 24293



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<210> 24296  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24296

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<210> 24297  
 <211> 489  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 24298  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24298

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<210> 24299  
 <211> 482  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24299

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cagtataaga aggccaagga cctcttctcc agcatcgagt ccgagaagct ctgcgctgtc 240  
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<210> 24300  
 <211> 1038  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 24300

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 gcatgaccac cgggctcgcc tctacctcg actcaattca agtgccgcc gccttctatc 420  
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1038

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<212> DNA  
<213> Aspergillus nidulans

<400> 24301

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cccgtcggac ctgcgcttat gtcactctca tccagtccac gcttccattc acgcagtgtgta 180  
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<210> 24302  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24302

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gccgtaggct catacatttc tgacttcatg atttacgggt gactgatgta gcttctcgac 180  
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 ctcgagtcga gcttcatctg gtggacattt ctactcgtct ccctcttcgt cagtgcaccg 300  
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 tacatcctgt tcgggctcct ctttttctcg gtcccgtcaa agccaatgac ggtgtggggg 420  
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<210> 24303  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 24303

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 ctagccatga tcctgtttcc cgatgtgcag cgcaaggctc aggaagagat cgaccgtgta 180  
 gtcggaacc gcctgccagg ctttaaagac cgcgaaaagc tgccatatat caacgcgtta 240



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<212> DNA  
<213> Aspergillus nidulans

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caggcattgg ctgcaatgag aggcaatgct gcgcaggcca ggacgcctct caaggctacc 600  
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<210> 24305  
<211> 573  
<212> DNA

<213> Aspergillus nidulans

<400> 24305

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attacccgaa ctggtgacctg gccttacttc cgcaccgttc ccaagcagtt tccaccgtgg 180  
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caccgccgata tgccgggaag agaggacttt gcgaggttct atttcgacga cagaatctta 300  
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<210> 24306

<211> 374

<212> DNA

<213> Aspergillus nidulans

<400> 24306

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tcaagagtct tcccgccgat actatacgca tccttgtctg gatcctttcg ttctgtcgt 300  
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<210> 24307

<211> 1267

<212> DNA

<213> Aspergillus nidulans

<400> 24307

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gatatgcaaa ttggtacctt tctagagcag aatttggata cagagctctc tggaaacatc 180  
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<210> 24308  
<211> 1724  
<212> DNA  
<213> Aspergillus nidulans

<400> 24308

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1724

<210> 24309

<211> 1805

<212> DNA

<213> Aspergillus nidulans

<400> 24309

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<210> 24310  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 24310

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<210> 24311  
 <211> 2024  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 24311

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 cagggagggt ggtcttagcg gaccccaatt cgaaccttct tcaactgccgt actctgctgg 1860  
 catccctagg tgctgacctg aaatcaggta cgcagacctg gtttgtgacg gccgtgcttg 1920  
 ctttgccggc gcatgtgaat ggctatggcn caatactgaa gaatatctga tcgatagatg 1980  
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<210> 24312  
 <211> 481  
 <212> DNA  
 <213> Aspergillus nidulans

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 cggacgacgg ggatctggga cacctgtggc tgggtggaatg gagcgaattg tatgacaaca 180  
 ctagcggatt tggctactct aaagttgaac gactcggtcg acggactcgc gaaagacgtg 240  
 tttcagaaca cattttctgt cgcgcctaat tcgaaccctt accccgaaag agggattgat 300  
 gccgactaca cgacagcgaa tggaacgtct tattctcaaa cgcttgataa aaaggtgcc 360  
 actggtgccg cgaacgcgtc gctgtggctc gacgggtcgt acgatgatga tgcgtggtgg 420  
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<210> 24313  
 <211> 411



<212> DNA  
 <213> *Aspergillus nidulans*  
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 cctgtgcgaa agagtgggat tctctcagag gatgagctgg acatcacgga gaactattca 180  
 gcggggccagc ttcttcagcg actggcacgg ggtgacgta gctctttggc tgttacgaca 240  
 gcgttttgca aaagggcggc aattgcgcag caactggtag gatgatgtgc cttgcgtaca 300  
 ctgtgctgtt tctgactcgt acagacgtca tgtttgacgg agcatttctt cgccaagcc 360  
 attgagcgag cacggtacct tgatgagtat ctcaagcgcg aaggcaaggt t 411

<210> 24314  
 <211> 1059  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 24314

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 ggcataggag ccagcctcgt cgagtatgct gtccagaatg gcgcatctgt gtgcttcggg 180  
 gacgtcagcg tacaggccgg cgaggagatt gcaaggacgg tgaaggccaa cgccccatcc 240  
 tctcctaccc gcgcagtctt tgtccccacc gacgtgacaa agtacgactc cgttttggct 300  
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 tcctcggagg cgggctttaa ggaatccccg ggctgtttg tctaccaagc ctccaagcac 660  
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 aatatacgcg taaactgtat ttgtccgtgg atgacgacca cggagatggt caaggggtata 780

caggagggat ggatcaaagc tggcttgcca tgaactcccc atggatgcag caggaatacg 840  
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<210> 24315  
<211> 321  
<212> DNA  
<213> Aspergillus nidulans

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atcttagctt ccctctccga taaccggggg gcctacaaca agcgcatccg acgaggtcgc 180  
ggccctgcct cgggcaaggg taagacttct ggaagaggtc ataagggtca agggcagcac 240  
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aggggattca agaatatgta g 321

<210> 24316  
<211> 531  
<212> DNA  
<213> Aspergillus nidulans

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aaccacatct ccaactgctgg agaccggatg aggtctttga tcgaggggtt cctgcacgca 180  
ggagacaccg acaactggacc gctgatcgtc ctgtctacct tactaccatc aggacaacgc 240  
aggaccgcaa agaacgtccc gcttgtgaac aaccagtacc gcgatctagt tcaggcgatg 300  
cgcaaggaag gcgtttcgat taccctcgcg gagatgaatt cagaggactc cgacataaag 360  
tatccggaag actatatgat cgacggcagg gtcgatagca cgcaccccaa tgaccgggga 420  
tacgaaaaga tggcgcgcat ctggtacgag gctattgtcg atgctgccg acaggacctc 480

CCDS:065446

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<210> 24317  
 <211> 577  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24317

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 ttcccctgtg ttcttaagac tgtcgccgtc tttaccaaga aggaccccat agtcacgcgt 180  
 gtccatgttg tcgagggtag cctccgtcta cacacgccta tcgccgccat caaaacaaac 240  
 gcaacaacgg gtgctaagga agttgtcgaa ctcggtagag tgtaagtttt ccattcactt 300  
 ttactttctc aataaacact aaaccatatg cagtgccggt atcgaacgtg accacaagcc 360  
 tgtcaacgtt gtcaagcgag gccaacctc cgtcgccgtc aagatcgaag gcgccaatca 420  
 gcccatgtac ggccgtcagc tcgaagagtc ggacacacta tactcccaga tttctcgtgc 480  
 aagcatcgac accctcaagg agttctaccg gtcggatgtc tccatggatg aatgggctct 540  
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<210> 24318  
 <211> 696  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24318

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 tggatcctcc cacatctctg cacgggcgtc taaaagccg gattcgcac tgaccaagat 180  
 caatataaca agaacgtgat ccccggtgtt ggagccctca acaaactcga gaagattgtc 240  
 ttgccaacg gcgggcccgtt cattctcggc taccagatga ccgaagtaga tgtcacagtt 300  
 tacgctacct tggtcagatt cgacactgtc tatgtccagc acttcaagtg caatctcggc 360  
 acagttcggc atgattatcc cgtgctgaat aactggttga aggcgatgta ttgggatgtc 420  
 cctgcggcga gggagagcac ggatttcagg catatcaagg agaacgtatg cccccctct 480

gacattgtcc gtctgttgcg acagtgggtga ggcttatgag gctgatggaa gcagtataca 540  
aagagccatt atgatatcaa ccccaaggcc attacgccgc ttggggccgtg gccggacgtc 600  
gaggaaggcg ttgagcggga ttggacgaag ctgacggttg gcggtgtcag tcatccagcg 660  
gttttggagt ttgagaagga gttgaatgag gagtaa 696

<210> 24319  
<211> 493  
<212> DNA  
<213> Aspergillus nidulans

<400> 24319

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cttccccct tgggtggagc attcactcat actccggtgg cccatcggca tctggttagg 180  
ctaggcgctc ttgacgaact agatcgccag ggtccagtcg gtggagcgga ggtctatgcc 240  
attggactct tctccagtcg atcagcacgc tcgctcgggt cagtcgactt cgccgacggg 300  
catgggaacg gcgtgaacgg gtacaagggg cggcgggtga tgcggatcgt tctgtctctg 360  
gcgatgctgg cagtctcga acgccagccc aacatcaaca tcgtttacgg aaagaaggtc 420  
ggaggcgtat cagaaatgga cgggtcaaacg gtctcgatt tcgaagacaa gacttctgct 480  
gcgggcgatc ttg 493

<210> 24320  
<211> 1029  
<212> DNA  
<213> Aspergillus nidulans

<400> 24320

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cgactgcttg tctcgtctt cgctcgggtc cagaatcagc acttgtttcc tggaagtatc 120  
gagaatcttg aaaaacatgt cctcgacgat cgtggactga tcaaattggtg gtgccgtgct 180  
ctcgatccaa ttcttcgcga gtacgaacct gaatctgcct cccaggagca agacaagaaa 240  
cacgaagagc catcgcgag ctcagcaacg gcatactca tcgtgcctgg ttgcgacagg 300  
tttgaaacta gaggtttctt ccctagtagc gccaaagcag acgataaaga cgggccccga 360



acggacggca agctcgtcga gctccccgca gcggaaca ggcgcgtcga cccacccgat 720  
 tggaccgatg ccgtgccacg cgagaagtta gaaaacatga gcgttgagta caccaccta 780  
 ctcaccagcc agctagaaag ccaacgcgcc tatttcgaag gcatactcga ggcgcgccgc 840  
 gataaagcct cccaggccag t 861

<210> 24322  
 <211> 337  
 <212> DNA  
 <213> Aspergillus nidulans

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 gtctcagctt gttatgaagc agcgcagctt tcgtaccgag agatacccta tcaaagtcag 180  
 cgtgggtgac acgategatt tcgagggtag gactccact tcgcttgggt acgtgacgct 240  
 tgatcttaat gcgacaatag gtgaaagtct gaaggtagcc atggatgaaa acgacgacct 300  
 aggggttatt gaagcagaga tctacactcc ggcttaa 337

<210> 24323  
 <211> 1451  
 <212> DNA  
 <213> Aspergillus nidulans

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 ttcgttttcc gagactgtgc tccccgctt ctctaaatg ccattgcact cggagctcta 180  
 ttcctcggtg gcgcggatgc cgtcgccaag gttcgttctt caagctgttg caacacgcaa 240  
 ctaacatttc caggctgaag tactttggcg cttgtcacat actgctgtag caacttcagt 300  
 gcatactatg attacttggc gacgcacgtc agactcctgc gcaggcgtcg agctagtga 360  
 gacagttttg ctcagccaga tttacgccgc tatgtccaaa gtgtgtacct ttattagaaa 420  
 tgctcaatgc ttctctgaca cgatctagaa caggaccttc cgcaccacaa gccaggtctt 480  
 tcatggcttg ggtatacatt gggctagtca ttgtggaatg tacgacgcgg caaacatggt 540

gacttttgcca atgccaaccg acagtcaaag tgtaaaatgt aaagcatggg atcgatggat 600  
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 acagtttagc ggcaatccaa cctttgctcg acacacggca aacctcttg cgctgccaag 720  
 ttgtgatgca gtattcaatg cctcatcggc tgacgactgg atccatctga tgcagaaata 780  
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 gagcgccgct gggcgagcga cattgctgca cgcgatcaac atacagacca ttgcggccca 1260  
 gttaccctt ggtatggcat atgatatcaa catcccaggt gccgttttcg cagctgcgac 1320  
 gacatactcg tcgttcaccc tcgcaggggt gtcgaagatt gtttatccag ccgcataga 1380  
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 caccatgcag t 1451

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 <211> 693  
 <212> DNA  
 <213> Aspergillus nidulans

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 ggacgatatg cggacaggct gttttcacgt atccatgcaa ggaatccacc attccgagag 180  
 acgttaggga ggctccgccc ttgattccgt gtctgtatgg ttttgatact ccgagcgcc 240  
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 actgggtgga catggtgaat aagggggcgc tgaagaagag tgataacgac aaggagaagg 360  
 tgaagctaag gtgttcaagt aggattatcc atgttgtgcg ctttgaggat gccaggagc 420

gcgatcgctt tcggcgagta ctcgctgcgg tgctttttgg tttgtctccc tctgcctcct 480  
 cccataccct ctgtttcaaa ggcctttata ataactggta taaagtgacc atcgagaacc 540  
 ctgctataac tgactacctc taccgtctca tccgggacca catccgctct acaaccaacg 600  
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 aattctccat cacaatccag cctgcataa ctg 693

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 <211> 294  
 <212> DNA  
 <213> Aspergillus nidulans

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 cgggatgtaa gtgctgttca tgggtgataa tgctggagag gcgctggcaa gtgagtcgtc 180  
 actaactggc actcttttgc ttaacagctc aatcccgaga caaacgcttt ccaaaagacg 240  
 ttacgaagg agattcggcg gttggataat gtggagaggc agcttcgtat gttt 294

<210> 24326  
 <211> 323  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24326  
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 gtcaccgcgg tcattcttct caatattgtc gtggggtaag catccccgat caggtttcaa 120  
 tttcctctga cttgtccagt ttcgtgcaag actaccgtgc ggaaaaggac atcctctcgc 180  
 tacagcgatt atctgcccct atatgtaagg tattacgtga cgggcgagtt gccctataa 240  
 aggctgagtc gcttgtggtc ggggatatcg tgctacttgc tgttggggac attgttccag 300  
 ctgatttgag gttattcgat ggc 323

<210> 24327  
 <211> 222  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 24327

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gaggagctcg tccagatcat ccgcaacaac tttagacctc gccccggtgt catcgctccgt 120

gagcttgacc tggccaagcc catctacttt gagactgctc agaacggcca cttcaccaac 180

cagaagtctt cctgggagca gccaaggcc cttaagtctt aa 222

<210> 24328

<211> 434

<212> DNA

<213> Aspergillus nidulans

<400> 24328

cccttgcaac tctgtcctc atcgaccgcg gccaaactgca ccctgacgac cctgtcgcca 60

agtactggcc tgcctttgac actccggata aacgcgggggt cctcgctccgg cacttttctca 120

gccatacctc agcccttcca gcggtgggacc cgccaatcca ggcatctgag ttgttcacaa 180

acactgctct tgcgacggag aagctcgctc cccaagagcc ttggtgggag cccggcaccg 240

catcgggata ccacctcgtc tctcagggcc tgttactcgg cgagctagtg caccgcatct 300

ccggaaaacc actcccgcaa tttatcgccg acgagctggc cggtcactc aatgcagact 360

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ctccatttcc ggct 434

<210> 24329

<211> 1420

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 24329

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ataaaacgct ataacggctt cctcccctgt gatcattcct ttccaaatca cccaccatct 180

tctcancctc aacaggatgc cactcaaact gaaagccgtt tactccagac aaaacnnccc 240

gacttgaccc tttcgcaagt cggaggagta caggtaacac gcacaaaagg cattgtcanc 300

atgtactcan acctctcgcg gctgcagcag gacagaagat cctgagtcag ggtggaaatg 360

ctgcagtatg ttgccctcta gacctttcat agtacatttg atagctaatag aacgcaggat 420  
gcagcgggtg cagttggtat gcatacctaa tgtagcgtaa gctcgtagct aacgagtga 480  
gccgcggccc tgaacgttac ggagccctca tccacaggaa tcggcggaga catgttctgc 540  
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ggcgccgcaa ctcttgagaa gattagagca gacctgcaag ctaagccgga tgaagcgggt 660  
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gcaaagcgtc tcccaactca catgagatgc ttaaagcaga cccgaagca caagacggct 960  
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<210> 24330  
<211> 354  
<212> DNA  
<213> Aspergillus nidulans

<400> 24330

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gaggaagttg cgcaagccta cgctgctctg aaaagcgtac atgtgctgga tgtttcacc 180  
acaggaaccc agaactggat tacagcagag attgcctata atgagcgac gtccccgggtg 240  
gagaattcca ttattgcccg cctgcgtgac cgtcttgcta cggcaaagaa tgctaatag 300

atgctccggg ccttctccaa cttcagtga ctccttggtc cgcccaagat cagg 354

<210> 24331  
 <211> 521  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24331

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<210> 24332  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24332

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 <213> Aspergillus nidulans

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<400> 24334

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 <212> DNA  
 <213> Aspergillus nidulans

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 aatcttcttg atcagtgctt aagcaaattg attccggtaa accgagccgt atggcttggt 240  
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 <213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 24339

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<210> 24340

<211> 615

<212> DNA

<213> Aspergillus nidulans

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<210> 24341

<211> 573

<212> DNA

<213> Aspergillus nidulans





<210> 24343  
 <211> 780  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24343

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 atggagcgtg ctgctgatgc ttgggagcat cactctttca aggacatcgt cgtaaggtt 720  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24344

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<211> 259  
<212> DNA  
<213> Aspergillus nidulans

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<210> 24346  
<211> 438  
<212> DNA  
<213> Aspergillus nidulans

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cagcagcaat cccaacagcc gcactgcatt cccgagcact atgctccgac ggtcatcaac 180



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 <211> 1510  
 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans  
 <400> 24350

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 gcctgaaaag ctattgaag ctggcggccg ttttcttcag attactgacg ttaggaatgc 240  
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 <213> Aspergillus nidulans  
 <400> 24351

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<210> 24352  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24352

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<210> 24353

<211> 2082

<212> DNA

<213> Aspergillus nidulans

<400> 24353

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<210> 24354  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24354

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attccaaact caccagtgtg aacactgcta tcatcatagc ccctgctgtc tcaactccag 240  
ggaccggtac gactgggttg gttctagata ataccagaat cgacggcccc attgtggata 300  
ccgctggtaa ggtttattta ggagcaggct actatgataa ctgggtgctt ggccctacat 360  
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cactacttgg aaataggggt gatggcctca acaatgcgcc gtattttgag cgcaaaaaaa 480  
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gtgagaacat ttctgttgcg ccattagtcg gctagctaac ccagctcagg ggacggagtt 600  
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<210> 24355  
<211> 713

<212> DNA  
 <213> Aspergillus nidulans

<400> 24355

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agcgcgctaa cccgtgggag gagcaggctg tcgaccatca ggagcaacag caacagcagc 300
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<210> 24356  
 <211> 510  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24356

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gcgcgagagg acctcatcac acgactagct ttgctgaagc gcaacgcaat ggccgctccg 120
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cgacgacgtg tagcgacctt gcaaaatgcg cctcaagtcc ttttcgcaa cgaccctccg 420
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<210> 24357  
 <211> 690  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24357

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ttccgacacg cgatagatgt cctacaatcc gtcttctgct ttttgctaca tatcggcgct  180
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ctcaagccgt ttgatgcttt gacattactg atagcagcga tcggccacga cgtcggccat  300
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gacaactcgg tgctggaagc cttccactgt gctgccttct cgcagatcct gcgccgctac  420
tggcccgag cattcaaaga caaggcactg cgcaagctgc ttatcagttc tatcttggcc  480
acagacatgg gtgttcacca gaagttcatg gaacgactgg gggctttgca ggaaaaatac  540
tcggaaaata accggacaac agatggctgg aagcctcaag atatcgatat gtacaagact  600
ttggtttgtg gattgttgat caaatgtgct gatatcagta acgtggcgcg tccatgggag  660
gtggctgaga agtggaccaa gacctgaga                                     690
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<210> 24358  
 <211> 240  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24358

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cgtcctaaag gcgacatcag aaacgatatc cgctgcggct tctcgattat caaagcccgg  120
gatctagatc gtctcggtgt agccggtgta gtggaggaga tcaagaccg cgttggtaac  180
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<210> 24359  
 <211> 860  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24359

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tccatctaga aatggttgag aacatgaagg ttgtcgccgc ctctgacgta gagctcactg 180

tggaagagcg gaatctgctt tctgttgctt acaagaacgt catcggcgcc cgccgtgcgt 240

cctggagaat tgttacctcc atcgaacaaa aagaggagtc caagggcaac gagtcccaag 300

ttgctctcat taaggagtac cgccagaaga ttgagggcga gctcgccaaa atctgccagg 360

acatcctgga cgttctcgac cagcacctga tcaagtccgc tcagagcggc gagtccaagg 420

tcttctacca caagatgtat gtttctgtag ttgttcatct atgccacca tcttaacata 480

tctctacgcc aacaggaagg gtgactacca ccgttacctt gccgagttcg ctgttggcga 540

caaccgcaag gctgcggccg acgcctccct ggaggcctac aagtctgcca ccgaagtcgc 600

tcagaccgac cttgccccta ctcaccccat ccgtctcggc ttggccetta acttctctgt 660

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agcttctcag ggataacctg 860

<210> 24360

<211> 302

<212> DNA

<213> Aspergillus nidulans

<400> 24360

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aatgggtcta ccttggtggt ttgtttctgt tcgagcttgg ctcggttggt tgtgccgttg 240

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cg 302

<210> 24361  
 <211> 575  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24361

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<210> 24362  
 <211> 201  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24362

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<210> 24363  
 <211> 1174  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24363

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ggactcttca tcgagcgtta ctatccgtct agccatcaca ttgaggtcca agtttttggga 180  
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 cagaaagtga ttgaagaatg tccaagcccc tttgtaacca ggaatccgga gctcaggaaa 300  
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<210> 24364  
 <211> 378  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 24364

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tggtctggcg gcgatcgca ggacaagtat ctttcgaaaa ctgcggcccc gtcacggatg 360  
caacatcgca agagatag 378

<210> 24365  
<211> 448  
<212> DNA  
<213> Aspergillus nidulans  
<400> 24365

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<210> 24366  
<211> 1155  
<212> DNA  
<213> Aspergillus nidulans  
<400> 24366

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<210> 24367  
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 <212> DNA  
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 <400> 24367

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<400> 24368

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<210> 24369

<211> 813

<212> DNA

<213> Aspergillus nidulans

<400> 24369

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 aagagcgacg atcccagcg cagcttcaag cagtggccgg gtgtttggga gcgaattctg 360

cggaatctgg actacgtggc tgggtacggg ggcattctgg agctgaactc tgcagcgctg 420  
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<212> DNA  
<213> Aspergillus nidulans

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gactttaagc tctgctgggt ccttatccac gaagtcggtg tggctgccat tcctccgacg 180  
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<211> 220  
<212> DNA  
<213> Aspergillus nidulans

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<210> 24373  
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<212> DNA  
<213> Aspergillus nidulans

<400>

24373

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gtgatcaaga gagttatacg tttcaagctt ttctctgacg aacagtttcc acggatggcg 240  
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ccacggattc ccttctcat tctcacttg tatgagtatc atcagcttgg tgagcctatt 1500  
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<210> 24374  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24374

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<210> 24375  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24375

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 24377  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 24377

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gcgacacaaa tggcttaagg gtggtgtgag attcatcgac actgttccca agagccctag 1500  
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1573

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<211> 372  
<212> DNA  
<213> Aspergillus nidulans

<400> 24378

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gccaaaaccc cagggccaag ttcaggtctt ggaactcctt tgcaacaaag acagcccacg 240  
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<210> 24379  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24379

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<210> 24380  
<211> 675  
<212> DNA  
<213> Aspergillus nidulans

<400> 24380

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gccaaagtact ccaaggtaaa acggtactat tttgaacggg atgcccaggt ccagcagcta 180  
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<210> 24381

<211> 955

<212> DNA

<213> *Aspergillus nidulans*

<400> 24381

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aaccgccatt gatcggacat atatcctctg catagttgca gctgctgtga ccttgctcgc 900  
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<211> 204  
<212> DNA  
<213> Aspergillus nidulans

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gagctgaaag ccaagggcga ttaa 204

<210> 24383  
<211> 660  
<212> DNA  
<213> Aspergillus nidulans

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<210> 24384  
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 <213> Aspergillus nidulans  
 <400> 24384

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 gttcgacgat aacttcataa atactgtgaa gaactataca agtgcgcccg ttgagtttgg 480  
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 catgtgccgc ttctactctg ggtaagccac cttcggacag cgcttgccgt caaatactca 660  
 tcctgcccag gttctttctac aagcacccgc tcctcctgaa gtacgagtgg tattggcggtt 720  
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 <213> Aspergillus nidulans  
 <400> 24385

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 agg 423

<210> 24386  
 <211> 335  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24386

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 tgcgctatcg ttggttgctg gctgacggtc ccattcaatt cttggtttgg ccgacgagga 180  
 accattttta taacttgcac cttctcggcc acgacatgtc tctggcaagg atgttgcagt 240  
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<210> 24387  
 <211> 1162  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24387

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 <212> DNA  
 <213> Aspergillus nidulans

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 gaccaagctc accaatctat cgttcagatc ccattatctt ccgcggcctc aaatccctca 180  
 ctttcaatga cccccaacaa cagtcactcc tccgcctcgc cgcggagggc ataagcgtct 240  
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 cctccgcct ctactccgcc cccacatacc ccaaacctgg gcccgtttca ccttgcacct 420  
 catccaaaat aatccccccac accogaagca caatccacct ctccccggct cccgtcccct 480  
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<210> 24389  
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 <212> DNA

<213> Aspergillus nidulans

<400> 24389

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gctaaaaatc ttgagtacaa acatcaagac ggtcgtcaat ccgttatgga ggcgattcac 360  
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atgagaatct acttcgaggt ggaggagacc gacaaggata aggaggcagg ctttgttgct 660  
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<210> 24390

<211> 540

<212> DNA

<213> Aspergillus nidulans

<400> 24390

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tgtatccggc gcgcagccca atggcccgtc acagacccaa ccattgtatg tcacttgtgc 180  
cgtaaattga gccaaacagg actgatatga gtccagccca tctctgcaat ggcagccgtg 240  
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gagcgggtacc gtcaagcaga cgaatacctt cgcgtgctat acaagtatgg catcacctgc 480

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<210> 24391  
<211> 226  
<212> DNA  
<213> Aspergillus nidulans

<400> 24391

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gaaggggtgtg ggaacttggt ttcgaggtat gtgtttttct cacttcaaaa ttcactggtc 180  
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<210> 24392  
<211> 229  
<212> DNA  
<213> Aspergillus nidulans

<400> 24392

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agctgctgcc atccgtcaag cccgcagccg ctacttctcc acccgcgctg caggcccgtt 180  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24393

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aacggtgggc cgcaacaacc gccccgaaa gtgtccaacg gccgtgccaa aacagtgccg 180  
gtacgtcgtg tagaagccgg agaacttcgt ctcgagttat gggtggaaga ggcacggcag 240  
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<210> 24394



<211> 709  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24394

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24395

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<212> DNA  
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acaagcgtga agagacgctg ccttcgtaca actcgtcaag tcctgtccga cgcgtctcaa 180

cggcgagcat ttccccgttc cccgtcaaaa tctctccgcc gctgaatccg atgccgatgc 240  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24398  
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 attcttgaag tgatagcgca gcgggctaaa gttgtcgaag aattcggact taatgctgat 180  
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<210> 24399  
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<210> 24400  
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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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cgaa 965

<210> 24402  
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<212> DNA  
<213> Aspergillus nidulans

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cag 303

<210> 24403

<211> 838  
<212> DNA  
<213> Aspergillus nidulans

<400> 24403

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aagctccaag ttaatagcaa tctagaatct ccatggacaa gagttcagct gggcttcttg 180  
tatcttctac attgggtatc tagctgcctc gtaccctata tcaattggat tcgtcagggt 240  
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agaactatgc cggctctatg gtgctacgag cactgcttgg tatatttgag agtgctatca 420  
gccctggctt ttcactaatc accggaatgt ggtatacacc caaagaacat gtctctcggc 480  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24404

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 <212> DNA  
 <213> Aspergillus nidulans

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 gtttcccgcg ttgctgtgag cgccatgctt acgggtgcga tcagcacctt cacgtctgcg 180  
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 <212> DNA  
 <213> Aspergillus nidulans

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accatggagt cttctgcat ctctctcttc ttctccatga tgcgccgctc tgctccagat 180  
 gcccaacctg aagcaaagga gtacctaata aatctgattg actccccagg acacatcgac 240  
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 gctgtggagg gtgtctgtag tcaaacggtc accgttctac gtcaaacctg ggtcgaacag 360  
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 tctgcggaag cctattctca cctaagcaga ctcttagaac aggtaaacgc cgtcatcggt 480  
 agcttctacc agggagaacg aatggaggag gatctccagt ggcgagagcg tatggaggaa 540  
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<210> 24407  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
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 ttaccctgca aaacacacga cttctgacgc agggctctacc ccgtcttgct gcagctgggtg 180  
 tggacgttgt cccgaacgca tccccctctcg gcatgggtct attgcgaaga aagggcgtgc 240  
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<210> 24409  
<211> 386  
<212> DNA  
<213> Aspergillus nidulans

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gtggatgagg agacaatcaa gctcgggtgtg aacgccacac ctcagttcat tggtgactg 180  
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agtcaagatc ttgaaagctt cgcgaa 386

<210> 24410  
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<212> DNA  
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aaagacgttg tccctgatgt acgcttatac ctcatatgca cacatatggc ttactaacia 180  
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<210> 24411  
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 <213> Aspergillus nidulans  
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 cttgaagagg attccgatga cgattccgac gatgggttat ttgcgatccc gctagcaaac 420  
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 <213> Aspergillus nidulans  
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cttcttccag cccacctcc accaaccaac tgcctagcac cgcagatatg cagcgattca 420  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 24413

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395

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<213> Aspergillus nidulans

<400> 24414

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tctagcaaat accaaaaggt aaggagtcgt gctgaaggcc ctaaggagcc gtgcaactgac 180  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24415

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<210> 24416  
 <211> 397  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 24417  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 24418  
 <211> 374  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24418

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<210> 24419  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24419

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<210> 24420  
 <211> 4252  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<212> DNA  
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<210> 24439

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<212> DNA

<213> Aspergillus nidulans

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<400> 24441



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26301

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<400> 24446

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<400> 24447

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<400> 24448

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<400> 24451

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<213> *Aspergillus nidulans*

<400> 24452

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<213> Aspergillus nidulans

<400> 24456

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 <213> Aspergillus nidulans

<400> 24457

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<213> Aspergillus nidulans

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<210> 24459

<211> 582

<212> DNA

<213> Aspergillus nidulans

<400> 24459

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 <400> 24461

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24462

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 <213> Aspergillus nidulans

<400> 24463

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24464

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<213> *Aspergillus nidulans*

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<212> DNA  
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<400> 24467

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<210> 24468  
<211> 719  
<212> DNA  
<213> Aspergillus nidulans  
<400> 24468

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tctgccctgt gctccaacat tttccttacc agccagatgc tgtactcccg tttctccgac 180  
aacatccttg ttaagctcct tgggtgtctgg gagccccgtg agggttctgc ccagctccac 240  
gcttcatctg gtgtcgcta ctacatgtct cctcctctga acttccgcga ggctcttctt 300  
gaccctatcc acacagctgt ctacatcact ttcattgctc ttgcctgtgc cctgttctcc 360  
aagacctgga ttgaggtctc tggctctgct cctcgtgatg tcgctaagca gctcaaggac 420  
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atccccactg ctgccgcttt cggcgggtgct tgcattggcg ctctgtccgt cgcttctgac 540  
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 tcttctctct tcttcaaagt ctaacaaaat cgcgcagtat tatctatggc tacttcgaga 660  
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<210> 24469  
 <211> 972  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24469  
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 catcctattc tcagccaatt gatacccgct gggcattgcg cgtgcgaaac ggcggcggtt 180  
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<210> 24470  
 <211> 536  
 <212> DNA

<213> Aspergillus nidulans

<400> 24470

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agcttgagct cgactctgta ccatctatat cggaaccctg gctgtctggc gaaactgcgc 180  
gaggaaatcg agtctgccgg cattggtaca gtgatccag cattcaagag cacgcaggag 240  
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ccattgttca gagtcgttcc taagggcggc caggtcctcg ctggccaatt ctttctgga 360  
ggagtaagta ccgcgggaat ttctaaccat atttccaccc cactgacca ctttcgaaaa 420  
ctaggtgaac gtaggaatca acagctgggt cctacactac gacactaata tatacggcgc 480  
agacgcatct attttcagac ccgagcgatg gctcgaagca gatgaagagc agctga 536

<210> 24471

<211> 366

<212> DNA

<213> Aspergillus nidulans

<400> 24471

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aaggcctcct tgaccgaatc attcgataca accctctacg atcgtgaagg tgccgataaa 180  
tatgcggtt atagcacctc catcgctgtt gacgatggag atgaagacat ggaggacgcg 240  
gataatggac accgcttggg tgggcagtat actgcaacgc gaagccagat tgacgagttt 300  
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<210> 24472

<211> 992

<212> DNA

<213> Aspergillus nidulans

<400> 24472

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 ccaagttggc ctttgtctac tgctccggga tctggatcca tggatcgccg tcctcgcgag 420  
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 cgcacgaaca agccattctt gcactctcag atgtgttggg tgctcgccatt atcagaccgg 540  
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 cagcgactgt gcacgtcgat gatgttgag cgggttttcg tgctgccatc gatcgagttg 720  
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 atatcgttga agcagcaaaa gccgccttgg gtgttgaagg gcctgtggag tacactggtc 840  
 ccaggggaga tatttttatg gaggcgatga gtacagtgc taattcagac acaggtaggg 900  
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<210> 24473  
 <211> 491  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cagccaccag catcgaacgc cactatgtct ggctaacagc cttgtcattc ctgagccatt 180  
 cagcgatagg cctgcaagac ctcgcttcac tcccaccagt gccgcgggaa gattacactc 240  
 gccagcgcc aacggcaacc ctccgcgcga atcctattcg cgactccatc cgaatcgcca 300  
 agggccgtcc gcgacccttc ccaagaggca agggcaaacg gcccttcaat aatcaaccgg 360  
 aaccggtccc tgaactcccc tatgacctgg acgacgaagt tcgagcctcg gaggacgcag 420

cgccccacc gacggtgccc cggttttcga accatgcccg caagcgcagc aatacggcgc 480  
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<210> 24474  
<211> 318  
<212> DNA  
<213> Aspergillus nidulans

<400> 24474

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gacgccgccc ttgagaaggg taagaagcag ggcggttctg tggacgacca ggttgacgcc 180  
accctcgact acctcctggt cgagtttggc aagaagatcc tcgacattat tcccggaaag 240  
gtctcgactg aggtcgacgc ccgcttctcc tttgacacaa aggcctcggt tgacaaggct 300  
cttcacatca tcaaggta 318

<210> 24475  
<211> 1179  
<212> DNA  
<213> Aspergillus nidulans

<400> 24475

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gaatgtctat gcctcagttg tgaacgcgtt ccccgcaacg gatggtcaca gaacctagct 180  
cctgggccac aaagcaaacc gtctacgcca gaaccaaagg ctagtgaaga ccaccttacg 240  
ccgaggaaac gcaaggccca atcagatata gattcggaca gctccccctc ttcaactcct 300  
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tctacgacaa tccctgaaac tgatatcaaa cttgaggtgg aaccttcttg cgaacccacc 720  
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 cctcgctgag agcgccactc catgctgtat gggttccgct ggccgaaggc cgagaaagag 1080  
 ggcccagacc atgatgagga gagagtcatt gaccatcgca ccatccagcg gttcctgtac 1140  
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<210> 24476  
 <211> 599  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24476  
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 cagatatacc aatcattgac tacggaaagc tcgaatttca gtagggacat ccaacgcgat 180  
 gatcaagacc cgaaggacaa caaccactc agctctctag cggcgtttca cgcctacatg 240  
 gctagtcctt ccgcattctgc gttacgtcct gccggcccg cagatgactc tgcaccgatt 300  
 acagattatt ttatctctc gagccataac acatacttga cagggaatca actgtacagt 360  
 gatgcggcgg cgaaagctta taccgatgtg ggtcttggtg tggttcaggt attcgagaat 420  
 gaaaccgcta atcagagcag gtacttctag gtggatgcag atgtgttgaa attgacgtct 480  
 gggatggaga gcctgattct gatagcgatg acgacggtac aagtagcagc agtcaagct 540  
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<210> 24477  
 <211> 639  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24477

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 tgactagatt ttgttatata gtcaccaagc cactgttgga ggttctcagc aaggccgacg 180  
 tcgaagttac tgtcggtacg tactcgattg caattaagcg cttagttgtc ctataactga 240  
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 tcaagaacac caaggccatc tccctcgacg tcaacgatga caaggctctt gatgaagcca 360  
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 agtcggctat ccgcaccaag aagcatgttg tcaccacatc ctacgtttct ccggccatga 480  
 tggagctaga ccagcagtgc aaggatgctg gcattactgt catgaacgag atcggtttgg 540  
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 ggtatcgatc acctttacgc ggttaagact atctccgag 639

<210> 24478  
 <211> 926  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24478

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 acggtaatth gctggctact cttctcacgg cccagaagt ccatgaaatt atcccgcca 180  
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 tgaatttcag agagggcgac acccctcatg gctctctatt aacaaggata ccagaagcac 360  
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 ccaacggctg tatctggcga gtagatgtca agactagagc ctatgagtcc gttcttaagg 480  
 acgaaactat gcaaccggtg ccggtgaatg acgttcagct ggggatcaat gggttacaag 540  
 tgtttgggaa cactgcctac tacaccaata cgccaaagaa tctcttctgt cgagtccagc 600  
 tccatccagt ttctggccgt ccgactagcc ctgttgacat catcagtgat agtgtcgaag 660  
 cggacgattt tgccataact ccggtcggaa ttgcatactt ggccaacaca taccagaaca 720

agataacaaa gttctcgtgg aggaatagcg aagttattgc cggaagcttg aactctagct 780  
ctattcccaa tccgacgtct gccatttttg gacgaacagc gaaggataga aatgtgcttt 840  
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cagttctcag tcttaggctg tgggtga 926

<210> 24479  
<211> 639  
<212> DNA  
<213> Aspergillus nidulans

<400> 24479

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cttgggtgcac tggaaggtaa acggattgaa gcgaagagta tccaagccac gatcgacaat 180  
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cagttcgagg cgaggcaact tcagtaccaa cagcaagagg agactgaaaa ggagaagtac 300  
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tcagatgtgg aggaattcat ggcaagaata cggaagattc taaaagatca gaccaggtc 540  
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<210> 24480  
<211> 1208  
<212> DNA  
<213> Aspergillus nidulans

<400> 24480

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gagtaagagg tcaatcttgc aaacaatgag gaggcattgg gtgccggaaa gcatcccgcc 180  
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atcaaagtcg tgatcaatgg cggcgcgctt gaccccaaag ccctagccct gaaggtccag 300  
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 atcaaaggca ccgcaccacc cccaaccacc aaactcgcca ttttctacca aggcggtac 1080  
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<210> 24481  
 <211> 1147  
 <212> DNA  
 <213> Aspergillus nidulans

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 gtcaatgtca ccggtcccgg ccagtcacg ctgctcggcc aaacagacca tgtcaccgac 240  
 gcctccaaga accaggtgac aatcaactgg gcacaagcca accatgacag cacgggccag 300  
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<213> Aspergillus nidulans

<400> 24483

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<210> 24484

<211> 1737

<212> DNA

<213> Aspergillus nidulans

<400> 24484

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aacaagccct gggagaaatt cgatctgggt gacctgcac gatcagtga gcgggggttac 300  
gaagcttcgc aagctgcaaa gagactagca accaacgtga cccccctga gcaagcgctg 360  
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 tacaagaaga agttggccct gcaaacgctc cctctcctcg agactactga taactcagtc 180  
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 ggtacagcaa gtctggtgct aagcttggtg gtggtgagt gaaagacggc tctcgcgtcg 180  
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 aatccgaaaa gtctctcatc cgcccgaaca ttctccgccg tctatcaccg ggcttagctg 180  
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<212> DNA  
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<210> 24493  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24493

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<400> 24494

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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395

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<213> Aspergillus nidulans

<400> 24498

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<212> DNA  
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<400> 24499

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 gctcaatgga gacccgatgc cacagttgct aatgcatatt attcgcttcg tcatgccgtc 420  
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gatcttcagc atcccaacga atacgtgcgg ggcaacaccc tgcgattcct ctgcaagctc 660  
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<213> Aspergillus nidulans

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cccaacaatc acccagctcc ccgagtcaat aggtccgctc cttgaaaccc attacggccg 180  
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ggaggaggtg acaaagggaa agaggaatgt gcttgaaaaa atggaagtct gggtagagcg 720  
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cactccccgt tttgcttcta atctaggacg acgcgaagag ctaaacattg atgttgatgc 180  
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ggatttcccg accctggagg tttcgtgcag ttcaaattcg acaaggcgcc tgttcagaac 780  
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<213> Aspergillus nidulans

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<210> 24505  
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aagggtactg gaagacttct atgcttctgg aggccatgcg caaaatcaat ggagacgggt 600  
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 tctt 1384

<210> 24506  
 <211> 778  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24506

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 taatgggccc tcacaggatg agaaaatgga gaccgaaaca ggaagttctg ccgctgttgc 720  
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<210> 24507  
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 <212> DNA



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 gatgcgcctc tctacccata tcgcggactt atggttgata ctgggaggaa cttcatctct 600  
 gtccgcaagc tacacgagca gctcgatggc atggcactgt cgaagctcaa tgccttcac 660  
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 <212> DNA  
 <213> Aspergillus nidulans

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 aattcccccc gctttgaggg catcaagcgg ccctactcgg ctgccgatgt cgtttagcaag 180  
 cggggatcgt tgcagcagac gtacccgagc tcgttgatgg cgcggaagct gtttaatctg 240  
 ttgaacgaga gagcggcaga gaataagcca gttcatacga gtatgctgct gtgcttgtga 300  
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 agcagg 366

<210> 24510  
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 <212> DNA  
 <213> Aspergillus nidulans

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 cccacgagc ggtcgtggta tgactcgac cgtgatcgt ttctaggtgg tgacgctggg 180  
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 ttcaaaagtc acaaacagtt tcatgctctc gagacgtag 879

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24511

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<210> 24512  
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<400> 24512

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 aacctactct tgttgaatac cggtttttt caagccgtgg gggttatttc ctttggtatg 180  
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gacctgggcg ccgtgttcga actgattggg ggcacaagcg cagcctcggtt ggcctatatc 780  
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<210> 24513  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 24514  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 cgcggtact tggttgctcc gccgtctttg ctggcggggt taacgagcac caaaggccag 240  
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 gccagcaatt ccgtcaaggg gccaggtctg aaaccccgcc gcagcattat gtggctgtcc 1440  
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 ggga 1504

<210> 24515  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24515

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ccatcatggt ctttgccttg ctttgaaagc aggcaaccct gacgttgccg gctatctttt 180  
 ggcttcgggt gtcctatta ttccggagaac gccggaacat gttctctect ccccgtaga 240  
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<210> 24516  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24516

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<400> 24517

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<400> 24518

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acctgagctc ggacgaggag aatggggatc accgtgaagt agtagcgaca atctgccagc 240  
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<210> 24519

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<400> 24519

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cctgattcta ttccctaccat gtacgatcct atctatctcg gcacactact tcgtgttttc 240
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gtaaggggtg gcctgggggc aatgagcaca atagctgata ttgagggttt tgctcgcttg 420
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 ggggatatcc cgggatacgt gaccttgctg gcgggaggtt caagcgggaa gagtgtcctc 240  
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 <213> Aspergillus nidulans

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<210> 24526  
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 <213> Aspergillus nidulans

<400> 24526

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atgtaataca actaatttct gtttaggtct cgtatgcgac cgcgcatctc tccatttgag 180

ttcgacatcc aggttcaaac ctttccctct ctctgtctcc aactcctgcc tgcgccacct 240

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gaccagctcg ccgcggagtc caccaccaac cttggaaaaa ccagtctcgg catggatgcg 420

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tggccgcggg aattcgcgct ctttccgcc gaaacattgc ccctgccgcg cgatgtcgcg 720

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ccgctcctgc ggtaactgca gctcccagtg caagcgcaac gtctacattg agggcgtgac 240

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<213> Aspergillus nidulans

<400> 24528

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 tcttatgaca attttgtcgg tgggaggggtg acaccacacg ccggcgccca tgcgacaggc 240  
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<210> 24531  
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<210> 24532  
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<400> 24533

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<212> DNA  
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<400> 24536

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<210> 24537  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24537

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 24540

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<212> DNA  
<213> Aspergillus nidulans

<400> 24541

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<400> 24542

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<213> *Aspergillus nidulans*

<400> 24543

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 <213> *Aspergillus nidulans*

<400> 24544

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 tatgggtatg atgctgcgac agccttgat actgacgatg cgcttaacaa tgctgactcg 360  
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 <213> *Aspergillus nidulans*

<400> 24545

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<210> 24546  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 24547  
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<213> Aspergillus nidulans

<400> 24547

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<212> DNA

<213> Aspergillus nidulans

<400> 24548

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<210> 24549

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<212> DNA

<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans  
 <400> 24551

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 <212> DNA  
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<400> 24554

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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aaacaccctt ccgtgcagac ggacctgagg aagaagttcg gtaaccgcac cccgatctgt 180  
ctcatggggg tcctgatcgc atctacacc catgcttgta tgctgatggg gtggcgcgga 240  
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<213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 24560  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24560

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<212> DNA  
<213> Aspergillus nidulans

<400> 24561

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<212> DNA  
<213> Aspergillus nidulans

<400> 24562

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 24563

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<212> DNA  
<213> Aspergillus nidulans  
<400> 24564

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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 24567

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<211> 512  
<212> DNA  
<213> Aspergillus nidulans

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<210> 24569  
<211> 1135  
<212> DNA  
<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

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<400> 24611

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<211> 459

<212> DNA

<213> Aspergillus nidulans

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<211> 267

<212> DNA

<213> Aspergillus nidulans

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<400> 24614

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<400> 24615

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<212> DNA  
<213> Aspergillus nidulans  
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 <213> Aspergillus nidulans

<400> 24619

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<400> 24621

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<213> *Aspergillus nidulans*

<400> 24622

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aggatccgcc tgagccactc agtgacagga atgatgaggc ccaggacgat ggttcttctg 540

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cattagatat gcaaggtttc ctcaccaaac agctggaggt cttggagcag ctgaagattg 720

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<400> 24625

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aagcgcttcg ccggtctcat ggttcagctt ttgcaccgac tctccatccg ttccactaac 180

tcgcaagaga agcttctcaa agtcatcaag aaccctaatca ccgaccattt gcctccaaac 240

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tctctgggcc ccaaagagag catctgtata tttgttggag ctatggccaa gggccaggat 360

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<210> 24626

<211> 363

<212> DNA

<213> Aspergillus nidulans

<400> 24626

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<211> 441

<212> DNA

<213> Aspergillus nidulans

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<210> 24629  
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<400> 24629

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<400> 24630

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<400> 24635

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<213> Aspergillus nidulans

<400> 24636

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gttggccgtg ccaacggcga tatcgaaata tggaatectg cgcgtggtgc atggttccag 180  
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<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<211> 396

<212> DNA

<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 24656

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 <213> Aspergillus nidulans

<400> 24658

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 <213> *Aspergillus nidulans*  
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<212> DNA  
<213> Aspergillus nidulans

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<400> 24669

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<400> 24670

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<400> 24671

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 24672

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 <213> Aspergillus nidulans  
 <400> 24675

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<400> 24676

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 24680

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 <213> Aspergillus nidulans

<400> 24681

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24682

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<213> Aspergillus nidulans  
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<213> Aspergillus nidulans  
<400> 24684

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gctcgcgagt tgctgcgaag gctcgccaac agcgaacctt actataggaa gccgaggcag 480  
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<213> Aspergillus nidulans

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<210> 24687  
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<212> DNA  
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<400> 24687

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24688

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<210> 24689  
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<212> DNA  
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<210> 24691  
<211> 285

<212> DNA  
 <213> Aspergillus nidulans

<400> 24691

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gccgagatgc tggagtggct cggcgagaaa gacgccgccg acaagctgat gcagtgtgtt 180
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<210> 24692  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24692

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<400> 24693

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<210> 24697  
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<213> Aspergillus nidulans

<400> 24697

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<210> 24698

<211> 396

<212> DNA

<213> *Aspergillus nidulans*

<400> 24698

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<210> 24699

<211> 507

<212> DNA  
<213> Aspergillus nidulans

<400> 24699

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<213> Aspergillus nidulans

<400> 24700

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<400> 24702

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<211> 1200

<212> DNA

<213> *Aspergillus nidulans*

<400> 24703

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gaacaaccag acaaagggtc gcgaaaacag cgccgccgag cagtcaatac cggcgccaca 600  
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<213> Aspergillus nidulans

<400> 24708

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<213> Aspergillus nidulans

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<400> 24715

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caaccacaac aagtccaacc gcatgatcct tgagggatct cgaaagctag gttattcagc 1140  
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<210> 24716  
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<213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 24721  
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 <213> Aspergillus nidulans

<400> 24721

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<213> Aspergillus nidulans

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<210> 24723

<211> 474

<212> DNA

<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 24726

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<210> 24729  
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<212> DNA



<213> Aspergillus nidulans

<400> 24729

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<210> 24730

<211> 741

<212> DNA

<213> Aspergillus nidulans

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<400> 24731

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cagaaggggt accttctagc gcatgaatgg ccgatatatg ttttcgacgc ggtcttgatg 360
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<210> 24732  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24732

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gacatgccta ttactcgcgc ttatgggtga gttgctgcgc tgaggcgtgc ctatctgcct 180
aaccgtacct cgatcacgac tgacaccag ccctgcgtcc tacgtacagc gcaattgaaa 240
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ggactctgta tacaatcggg cagcgc atcg cgaagacctt cgcgacggcc aataaccacg 480
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cggggatcca cgacgccgtg aatctgggct ggaagctggc gctgcatatc cgggggctca 600
caaagccaga ggtgctggag acgtacacgg ccgagcggct gacgactgtg cagagactga 660
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 tcaatacggg actaggaata tegtacccgg caaatgtgct gaatgatctc ggatcggctc 840  
 cttatactaa caacagcagc cagtgtgttc tcgcgcctgg aagtcgaccc ccagacgtcg 900  
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 <213> *Aspergillus nidulans*  
 <400> 24733

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 aaagtgaac ctatgccgaa gcaaaccggc gaagctcata tcgcagcgga ctccaacgga 240  
 cccgctatta gctcgagggt cacttgcaaa tccaccacag tctcccggtc ttcacaggat 300  
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 gaagacgact atatcactgc ccgatcatac cgctcccgtg gcgagaatac caccggcgga 420  
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tcattggactg gcttgtgcag gtccaccatc ggttctcact gctccctgaa actctttttc 780  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 24734

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 cgctcgccg cccaggccgg atagacttgt ctattgcatt tgggcactcc acaacctctg 180  
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 ctgctgagcg gttgagccct aaactgcgtg cgaggatggc gaagcgaagc tcaacctcac 300  
 attccacaaa cagcaccaat gctaacgtcg ttatccacaa ggaaactaga aagttctctg 360  
 aagagcaaat ccggctatgg gcggcggaat ttgcagaaag ggttcctgca ggcgagttca 420  
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<210> 24735  
 <211> 417  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24735

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 gatcagcaga cggtcactaa tgaacttgcg cccagcttg aggtctcac tcctgggtcc 240  
 gggacctacg agaacgagtc caacttcctc cagccgaact ggaagcaggt cttctttggt 300  
 gaaaactacg ataaactagc caagatcaag aagaagtggg accccaacac cttcttttac 360  
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24734-24735

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 <211> 759  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24736

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tctctcgtgt tggcttgcaa gggcaaagaa cggcggatta ggctgaccga gattggaaac 180
ttgataccta tgcgtattcc tcccagtcag cctggagaag cgcagaagat catcgacatc 240
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agtatatatc ggcagcaaag atcacaaacc tcgcaaacga gcatcaatac tggcttcgaa 360
gtcaaggaat ttgactctga tgtcaatttc aaagctcagc ttcaccttgg tggatcgggt 420
atctccttaa tcaaccagaa aatgaaggag ttactttaca tgacgttccg tgatatcgag 480
gtcaagttca aggaatcgaa ggcttaccag actctgaaca ccaccatcaa atggattcag 540
atcgacaacc aactttacgg cggaattttc cctatgctgc tgtatcccag tgcgtcccc 600
aaaactggta aggaaatgga agcccatgcg atctggcata ctatgaggac actcggaag 660
gatgactcct atggtgcgct gtacataaag tatgctactc tgctgatcta gcagatgacg 720
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<210> 24737  
 <211> 565  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24737

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atcgaccagc ctgtggatat aagctcacta tcaactgaacg atgacacgga agaatccgac 180
acgtacacgt acataccgcc ggatccgaga tcagtatatg gcactattgt agctcaggcc 240
ttgagctatg atttgaaaga ccacgagctc gaggctacac aagccacgtc ggacgtgcca 300
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agaattcccg cgtgctcgag gattgtccta tttctggacg ttgtacggtc aaagtttgtg 420  
gataatgaga ttgacctaga cacactggac tcagcggttca cctttgtcaa ggaaatgcca 480  
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<210> 24738  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24738

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ggcgcgcata tcgtggcacc cccggcagaa ccagcaccag accaagtacc accgtctgat 180  
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tctgcgagtc ttacgcgtgg cgtctgcctg aagaagcgat gtgagcggca caagcagtgg 660  
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<210> 24739  
<211> 249  
<212> DNA  
<213> Aspergillus nidulans

<400> 24739

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gcagatact 249

<210> 24740  
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<212> DNA  
<213> Aspergillus nidulans

<400> 24740

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aatctggaat tcccagggtc tcatgagact gtttgcggtat cctgtggact ggttcttgcg 180  
gatcgagaaa tcgacatgca ttccgaatgg cgtaccttct cgaacgatga ccaaaacaac 240  
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caatcgagcg acaaggcgaa taagtccctc cttgccgcat acaaagaaat cggtagctctc 420  
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gacggcacia tccgcggcgc ttacaagcaa ctctacaccg agcgcgagag ctggggttgac 1020  
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<210> 24741

<211> 615  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24741

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tcgacggtat atgcgcggtc actaatccgg tcgtatgctc tggacctcca gacgagtctg 180
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attcgcgtgc agcttctgca cttcttcggc gcagatccta gagactttga cctggctctt 300
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gcccatacca gcctggtagg cttgcgggaa attgctaccg gtcagagtat gtgcttgcca 480
ggagatgcag ccgtcgagga gtggatcgat tggggaaaga cgcccagtca gagagacgtg 540
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 <211> 1095  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 24742

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gccctgcgcg cgacaagact acacaagagc caccaggcgc cgcaaaagat tgagaagcag 180
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tcatttgtag acaaagtccg cgtctcctcg ccgctccgt ccaactcaagc cgccgagcca 480
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